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THE CHEMICAL MARKET AUTHORITY

Volume 139
Number 9

SINCE 1871

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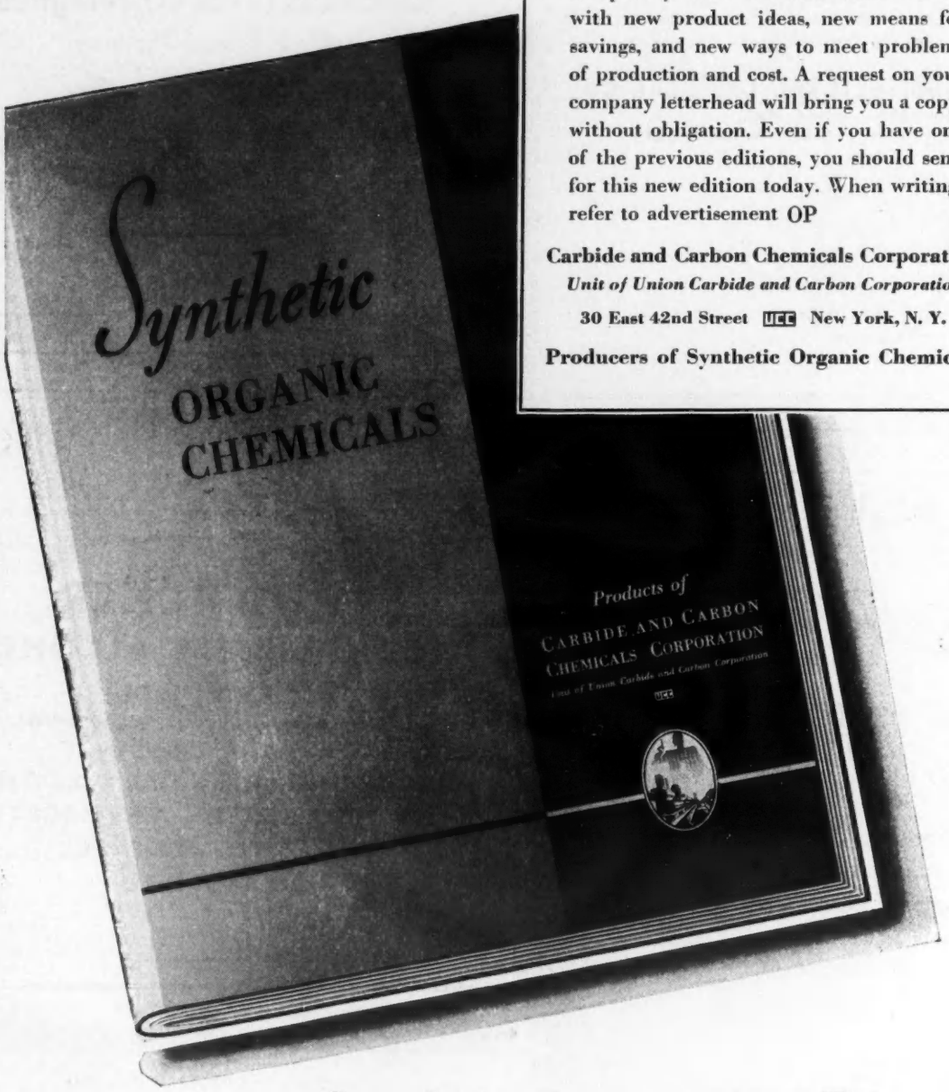

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Volume 139 | March 3, 1941 | Number 9

Chemical Workers Show Slight Gain

Employment Up 0.2 Percent—Payrolls Down 1.7 Percent—Both Are Above 1940 Figures

Employment in factories engaged in the manufacture of chemicals, and related products in the United States noted an increase of 0.2 percent from December 15 to January 15, according to the Bureau of Labor Statistics. At the end of the monthly period employment was 3.1 percent above the corresponding level of 1940. Payrolls showed a drop of 1.7 percent from December 15 to January 15, but stood 0.8 percent above corresponding level for 1940.

The Bureau of Labor Statistics index number for factory employment in the chemical group of industries January 15 was 125.8 (100 equals 1923-25 average), compared with 125.5 for December 15 and 121.0 for January, last year. For payroll totals the index number was 141.6 (same basis), compared with 144.0 for December and 131.0 for January, last year.

The Bureau's general index numbers for all manufacturing industries, April 15, 1940, showed the following comparisons:—

	Jan 1941.	Dec. 1940.	Jan. 1940.
Employment	115.2	116.2	105.0
Payroll totals	119.8	122.4	99.8

Employment in the chemical group of industries was 9.1 percent above the average of all industries. Payroll totals were 17.1 percent above the general average for industries.

Detailed Comparisons

Employment

(100=1923-25 average)

	Jan. 1941.	Dec. 1940.	Jan. 1940.
Chemicals	151.9	149.4	135.8
Cottonseed oil, cake and meal	112.9	123.5	105.4
Druggists' preparations	117.6	115.7	118.5
Explosives	148.3	146.7	103.5
Fertilizers	103.1	95.0	105.1
Paint and varnishes	126.8	126.2	123.5
Petroleum, refined	118.9	119.8	121.6
Rayon and allied products	313.5	315.1	313.5
Soap	85.2	84.8	83.5

—Continued on page 36

Chemist Certification Proposed in N.Y. Bill

Albany, Feb. 24, 1941

Any person desiring to practice as a certified chemist in New York State after January 1, 1942, would be required by the Page bill (No. 930) in the State senate to possess certain qualifications of education and practice and to pass an examination by an examining board appointed by the board of regents.

The scope of this bill's application is not wholly clear in its language—it might affect the publication of newspaper or magazine articles—but the following definitions appear to control:—

"Chemist" means any person who carries out chemical procedure or who offers or undertakes to carry out such procedure or to act as a competent adviser in any branch or phase of chemistry, such as agricultural, analytical, biological, electro, metallurgical, nutritional, pharmacological, physical, sanitary, synthetic, either organic or inorganic, or assumes responsible supervision in any branch of chemistry or performs any professional service, involving the application of chemical principles and data.

"Practice of chemistry" means the application of chemical principles and data in any of its branches or phases in determining, governing or regulating the welfare of individuals or of industry, or the exposition of such principles in any oral or written report, or in any procedure.

Loss Leader Bill Offered for N.Y.

Albany, Feb. 27, 1941

A bill (No. 988), seeking to prohibit the sale of merchandise, whether by wholesaler or retailer, at less than cost to induce purchase of other merchandise or to divert trade from a competitor or to prevent fair competition has been introduced in the State Senate by Joseph Esquirol, Democrat, Brooklyn. This amendment, 11-a, to the general business law would authorize the State Attorney General to restrain violations and give the State supreme court jurisdiction to grant injunctions. Exception is made, however, for clearance sales, sales of perishable merchandise, damaged goods and liquidations sales.

MacKeachie Is Deputy In OPM Purchasing

OPD Washington Bureau
February 24, 1941

Appointment of Douglas C. MacKeachie as deputy director of the Division of Purchases in the Office of Production Management was announced today by Donald M. Nelson, director of the division. He succeeds Deputy Director Albert J. Browning, who is returning to his position as president of United Wall Paper Factories, Chicago.

Mr. MacKeachie has been serving as assistant director and chief of the subsistence section of the division, advising the Quartermaster-General office on the procurement of foodstuffs and devising plans for the expanded buying program which the increase in army strength makes necessary. Before coming to the division of purchases he was New England purchasing director for the Great Atlantic & Pacific Tea Company.

Priorities System Operating On Raw Materials for Defense

OPD Washington Bureau
February 28, 1941

Definite action to bring the priorities system into play to give defense contractors first call on necessary raw materials was taken this week by the Priorities Division of the Office of Production Management.

The first industry-wide, mandatory priority orders were issued on aluminum and machine tools, and at the same time E. R. Stettinius, jr., issued a classified list of articles on which other priority action has been taken. The use of priorities is expected to expand as shortages of various commodities threaten; but in many cases they may be temporary; and the announcement stated that every effort will be made to take care of the needs of civilian production.

Mr. Stettinius explained that there are four different types of actions coming under the head of priorities. For some months the Army and Navy Munitions Board has been issuing "automatic" preference ratings to manufacturers of articles on the so-called "critical" list, which are chiefly completed military articles without commercial counterpart. This practice will continue, and the OPM Priorities Division will handle all other types of priorities.

These are of three degrees. The first is formal mandatory priority orders issued under authority of law. The second is designated allocations and covers cases in which the principle has been employed on a broad scale, the action being taken in the form of specific allocations with or without actual issuance of ratings. The third is described as cooperation and covers cases in which the general principles of the system have been applied informally and on a voluntary basis.

The list given out by Mr. Stettinius discussed actions taken so far in all three categories, and included the following statements:—

Formal Priorities

Aluminum. Aluminum producers have been ordered to serve defense needs ahead of civilian needs, except as other-

—Continued on page 36

Belladonna, Atropine Need Export Licenses

OPD Washington Bureau
February 25, 1941

President Roosevelt today issued executive orders adding several additional commodities to the list of articles which may not be exported except under license issued by the Department of State.

Included in the lists are graphite electrodes and beryllium, effective at once, and belladonna and atropine, effective March 10. Regulations issued by the Department of State give no special definition or description of the types of graphite electrodes covered by the order, but categories of the other three products are given as below.

The numbers appearing in the columns designated B and F refer to the numbers in schedule B "Statistical Classification of Domestic Commodities Exported from the United States," and schedule F "Foreign Exports (Re-exports)," respectively, issued by the United States Department of Commerce, both effective January 1, 1941. The words are controlling and the numbers are included solely for the purpose of statistical classification. An asterisk (*) indicates that the classi-

—Continued on page 56

Tin Smelter Site Selected in Texas

OPD Washington Bureau
February 26, 1941

The tin smelter in which will be carried out the Federal project of providing domestically produced tin from Bolivian ores will be built on the ship channel at Texas City, Texas, says Jesse Jones, Federal Loan Administrator. The deciding factors in the choice of this location were cheap gas for fuel; available hydrochloric acid at low cost from a nearby refinery; good terminal, port, and warehouse facilities; a large movement of foreign cargo ships into the Galveston-Houston marine district, making it possible to move less than cargo lots of tin con-

—Continued on page 46

U.S. Aluminum Project Loan Now $20,000,000

OPD Washington Bureau
February 26, 1941

Additional loans have been made to the Reynolds Metal Company for the production of pig aluminum and fabricated aluminum products, Jesse Jones, Federal Loan Administrator, announced today.

Mr. Jones revealed that a loan of $15,800,000 originally made to Reynolds has been increased to $20,000,000 for the building of additional units at Bonneville Dam. Two units are already being built at Sheffield, Ala., two other units have been begun and a third will soon go up at Bonneville Dam, Ore. He estimated that the Sheffield units will have a capacity of 40,000,000 pounds of pig

—Continued on page 40

Research in Industry

By Dr. W. S. Landis

Vice-President, American Cyanamid Company

(Continued from February 24 issue)

Adequate Investment Essential

The capital represented in equipment and tools required for research has an important bearing upon production. Inadequately equipped in this respect one often has to start back in that stage of development that faced his predecessor, even a long way back. The better-equipped institution able to throw into the problem the most improved equipment, very greatly lightens the burden and enormously reduces the time spent on the more complex problems. Research, therefore, to be done effectively requires not only a carefully chosen organization of rather unique character, but it must be supplemented by very material capital investment in tools and services, and all properly adjusted to the importance of the project. It must be recognized as a proper charge against the particular institution of which it is a part and equipped in keeping with the ability to support.

Turning for the moment to the field of technical research of the private corporation one should first appraise the problems before the particular industry. This is a most difficult task, the tendency being ever to spread beyond the boundaries and broaden into fields that may be more difficult of absorption and development as they mature into future producing units. It must be remembered that in my conception of industrial research I expect to capitalize by the subsequent construction of a producing unit which makes the laboratory fact a commercial and profitable reality. I must, therefore, figure that for each dollar I expend on research I am going to be called for additional dollars to reduce my findings to practice. It, therefore, is essential that in this industrial research I take some account of the state of the capital market in planning my excursion into the unknown. I must remember that I have competition in my research, and that I cannot always lay my results on the shelf because of an unfavorable money market, for I may find my competitor a little more foresighted, and that may render my work obsolete. The choice of project, therefore, is not at all simple.

It is always possible to catalog these projects and arrange them into groups somewhat according to apparent simplicity, and this in general parallels the ease of accomplishment, and is related to the chance of successful outcome. One must always keep in

—Continued on page 33

Closing Markets

Quicksilver Higher

Quotations advanced $4 per flask, ranging from $174 to $176. Offerings were small, reflecting disruption in production because of heavy rains in mine producing areas.

Pig Lead Prices Strengthen

Buying of pig lead was heavy toward the end of last week, consumers seeking tonnages beyond the ability of sellers to supply them. It was again found necessary to fall back upon foreign lead to take care of inquiries. The price was strong with an advance possible this week. The zinc and copper markets were unchanged.

Cottonseed Oil Firmer

Refined cottonseed oil futures had an upward trend on Friday, influenced by strengthening developments in outside markets, commission house buying and covering of shorts. Final prices were about 25 points above the closing quotations of the previous week. Coconut oil was reported to have sold on the Pacific coast at 3½c. per pound in tanks. Copra was nominal at around 2c. per pound. Further sales of tallow and grease were reported at unchanged prices. Crude cottonseed oil was steadier in the South with offerings light.

Color Symposium Set For A.S.T.M. Meeting

A symposium for the discussion of "Color—Its Specification and Use in Evaluating the Appearance of Materials," has been arranged as a part of the Spring meeting of the American Society for Testing Materials in the Mayflower hotel, Washington, D. C., March 4 and 5. The forum will be held jointly with the Inter-Society Color Council, which is holding its annual meeting in Washington at the same time.

Arrangements for the color symposium are in charge of a committee headed by M. Rea Paul, director of the technical paint and color service of the National Lead Company. The papers which will form the basis of discussion are as follows:

"Introduction to Color," by Deane B. Judd, of the National Bureau of Standards.

"Color of Transparent Materials," by Francis Scofield, of the National Paint, Varnish, and Lacquer Association.

"Hiding Power and Opacity," by R. H. Sawyer, of the Krebs Pigment and Color Corporation.

"Color Standards for Opaque Materials," by I. H. Godlove, of E. I. du Pont de Nemours & Co.

"The Spectrophotometer in the Determination of the Color of Materials," by A. E. Parker, of the Electrical Testing Laboratories.

"Photoelectric Colorimetry," by Richard S. Hunter, of the National Bureau of Standards.

Crane and Fletcher Injured in Auto Crash

St. Louis, Feb. 26, 1941

Clinton H. Crane, president of the St. Joseph Lead Company, New York City, and Andrew P. Fletcher, vice-president and treasurer of the company, were injured near here today when the car in which they were riding crashed into a cattle truck. Mr. Crane, who has been president of the firm since 1913, suffered a broken thigh, ankle and head injuries. Mr. Fletcher, who has held his executive offices since 1929, sustained a broken leg, head and chest injuries. They were enroute to inspect a lead mine at Bonne Terre, Mo.

National Carbon to Produce Carbon for Army Gas Masks

OPD Washington Bureau
February 27, 1941

The War Department revealed today it had earmarked $1,000,000 for the manufacture of gas mark carbon in a plant to be operated by the National Carbon Company. The plant will be constructed on a site adjoining the National Carbon's plant at Fostorio, Ohio. Carbon absorbs the poisonous fumes in the operation of a gas mask.

C.S.A. to Hear Toohey

The Salesmen's Association of the American Chemical Industry will hold a luncheon meeting in the Hotel Waldorf Astoria, March 13. The guest speaker will be John J. Toohey, sales-manager for E. I. Squibb & Sons, who is the chairman of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, which organization is holding its sixteenth annual dinner at Waldorf-Astoria March 13.

Chemical Prices Softened

There was a downward lean to the price graph last week in the markets for heavy and fine chemicals. This was not a substantial droop, and might be taken to reflect official interest in supplies of certain metals and other defensive materials. For example, tin salts were cheaper.

Business added some more to its stature, directly or indirectly the result of increased producing and stocking in the fields of defense. Priorities were not so plentiful as many expected, and although some additions were made to the export license list, the materials comprised fell about 90 percent short of rumored inclusions.

Prices were advanced on gum rosins, gum turpentine, gambiers, myrobalans, TN, superfine, and bonedry shellacs, sago flour, domestic and imported bone, and imported steamed bonemeal.

Prices were reduced on Straits tin, stannous chloride, tin crystals, tetrachloride of tin, stannate of soda, ethylcellulose, alkali blue toner, domestic casein, domestic tankage, and domestic dried blood at Chicago.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 131.5 (100=average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 93.1, compared with 90.9 at this time last year and 88.9 in 1939.

Contents of This Issue

News and Statistics

Adams, McLaughlin Promoted by Owens-Illinois 56
A.M.A. Suit Ruling Favors Prosecution 5
A.D.M.A. Plans Convention..... 53

Belladonna, Needs Export Licenses. 3
Blending Agent Offered..... 58

Chemical Employment Up..... 3
Chemist Certification Urged in N.Y. 3
Chemists' Club Nominates..... 31
Chipman Co. to Sell Chlorate Salt.. 36
Coaltar Pitch Freight Cut..... 40
Columbia Chemical Advances Boss.. 5
Combination Deals Void N.J. Fair-Trade 5
Calcium Gluconate Made by Improved Process..... 56
Color Symposium Set..... 4
Crane and Fletcher Hurt..... 4
C.S.A. to Hear Toohey..... 4

Dallas Production Club Sets Fort Worth Dates..... 62
Dispersion Dryer Discussed..... 60
DuPont to Sell Wis. Plant..... 40
Drug Unit, N.Y. City, Moves..... 5
Drums Containing Olive Oil Held Dutiable as New..... 48
Drying Oils (Eisenschiml)..... 49

Effective Trade Associations Essential (Donovan)..... 5

Grinding Pebbles Discussed..... 54

Hoffman Heads Strohmeyer & Arpe. 4

Jarrett Named to Post with Koppers Co. Div..... 36
Johann Chemical Formed..... 49

'Koroseal' Processing Method Developed by Goodrich..... 56

Loss Leader Bill Offered in N.Y.... 3
Lovejoy Honored..... 36

Mc.K. & R. Trustee Sues..... 53
Magnesium Production: 1940..... 54
MacKeachie in OPM Purchasing.... 3

National Lead Seeks Ilmenite Mine. 60
N.Y. Paint Clubs Plan Joint Meeting 54
N.P.V.L.A. Committees Formed..... 5
National Carbon to Make Gas-Mask Carbon 4
N.E. Production Club Meets..... 46

Oils Labeling Changed..... 4
Oil Trades Ass'n Nominates Correa. 4

Pacs Chemical Opens Plant..... 53
Potash Salts Production Planned... 61
Priorities System in Operation..... 3
Price - Maintenance Spurs TNEC Squabble 5
Petroleum Probe Asked..... 59
Plastic, Coldwater Paint Calcimine Sales Mixed..... 44
Perfume Materials Position in Blockaded World Discussed..... 58
Phila. Pharmacy Marks Anniversary 53
Phila. Production Club to Meet..... 54
Proprietary Medicine Exports: December 54
Paint, Varnish, Lacquer Sales..... 41
Photomicrographs Shown..... 39

Research in Industry (Landis)..... 3

Standard Aluminum Formed..... 31
Solvents in Chemical Progress (Gabriel) 60
Stroock & Wittenberg Has Seattle-Portland Agent..... 49

Tar Acids Leaflet Issued..... 40
Tin Firm Official Killed..... 46
Tin Smelter Site Selected..... 3
Toilet Preparations Exports in December Tabulated..... 56
TAPPI Papers..... 39

U.S. Aluminum Plant Loans Raised. 3
U.S. Helium Plant Fund Asked..... 39

Vitamin B Complex Data Available 53
Vacuum Desiccation Process Licensing Company Formed..... 56

Wetting Agents Discussed..... 5

General Features

Advertisers' Index..... 67
Bids Wanted..... 49
Chemical Price Trends..... 4
Classified Advertisements..... 66
Closing Market Developments.... 4
Contracts Awarded..... —
Corporation Earnings..... 49
Dividends Declared..... —
Editorials 28
Foreign Trade Openings..... —
Foreign Trade Rules..... —
Industrial Uses of Chemicals..... 65
Obituaries 46
OPD Forum..... —
Prices Current..... 7
Scientific, Professional Services... 58
Trade News Briefs.....54, 59
What You Can Use..... 60
Where You Can Sell..... 65

Market Reports

Botanical Drugs, Spices, Gums... 55
Coaltar Chemicals..... 38
Drugs and Fine Chemicals..... 51
Dyestuffs, Textile and Leather Chemicals 37
Essential Oils and Aromatics..... 57
Fertilizer Materials 61
Heavy Chemicals..... 30
Oils, Fats and Waxes..... 47
Paint, Varnish and Lacquer Materials 41
Petroleum Products..... 59

Shipping Information

Cargo Ship Arrivals..... —
Charters ..... —
Coastwise Shipments..... 66
Exports 64
Imports 63
Imports Detained..... 64

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Oils and Fats Labeling Changed by U.S. Rules

OPD Washington Bureau
February 26, 1941

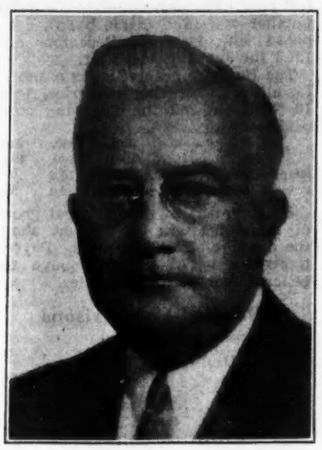
Minor changes in lard and vegetable oils and fats regulations are included in new regulations requiring all meat product labels to list their ingredients until standards of identity are adopted. These regulations were promulgated by the Department of Agriculture and printed in the *Federal Register* today.

Only two changes were made in the lard and oils and fats regulations, the rest being clarifications of existing regulations, or placing under regulation practices which have been in effect for some time.

The first change requires that when lard or hardened lard is mixed with rendered pork fat or hardened rendered pork fat, the mixture should be labeled as either rendered pork fat or hardened rendered pork fat. Previously the mixture might also have been called lard. The second change requires meat products containing artificial flavoring to state that fact on the label. Previously no such requirement was made.

A.H. Hoffman Renamed Strohmeyer & Arpe Head

Arthur H. Hoffman, a prominent figure in the wax trade for more than thirty years, was re-elected president and treasurer of the Strohmeyer & Arpe Company, at its annual meeting in this city. Walter A. Benz was elected vice-president and re-elected



Arthur H. Hoffman

secretary. Alfred F. Drucklieb was elected assistant secretary.

Mr. Hoffman had succeeded to the presidency following the death of the late Colonel Gustave Porges on May 12, 1940. The office of vice-president, formerly held by Mr. Hoffman, was left vacant. Therefore, Mr. Benz succeeds Mr. Hoffman in that office. Election as assistant secretary was a new honor for Mr. Drucklieb.

The Strohmeyer & Arpe Company is an importer and commission merchant identified with the olive oil, commercial wax, and food product trades since 1882. Company employees will give Mr. Hoffman a luncheon in the Hotel Vanderbilt on March 8.

Oil Trades Ass'n Names Correa for President

William H. Correa, of the Socony-Vacuum Oil Company, has been nominated for re-election as president of the Oil Trades Association of New York at the annual business meeting and dinner to be held March 25 in the roof garden of the Waldorf-Astoria hotel.

The following officers have also been nominated for re-election:—Vice-president, W. M. Osborn, of the Zimmerman, Alderson, Carr Company; secretary, Joseph C. Smith, of the Smith-Weihman Company, Inc.; treasurer, Rudolph G. Sonneborn, of L. Sonneborn Sons, Inc.

The following have been nominated for election as directors:—C. V. Bacon, J. W. Baker, G. L. Benjamin, J. H. Blakney, W. C. Burns, W. H. Correa, D. E. Hoffman, W. M. Osborn, L. C. Quackenbush, J. F. Renick, J. C. Smith, R. G. Sonneborn and A. J. Squier.

Wetting Agents Symposium Held

A meeting of the American section of the Society of Chemical Industry was held February 28 in the Chemists' Club, this city. This was a joint meeting with the American Institute of Chemical Engineers.

The meeting took the form of a symposium on wetting agents. The first speaker was F. E. Bartell, professor of chemistry of the University of Michigan, who presented a paper on "Theory of Wetting Agents." He stated wetting agents have polar and nonpolar groups in the molecule. Through orientation at interfaces, Prof Bartell said that they bring about a decrease of the interfacial energy and thus serve to give higher adhesional forces at these interfaces. To evaluate properly a wetting agent for a given purpose he explained that one must know the energy values, and the energy changes that can be brought about, at the interface or interfaces of the system in question. Surface tension, interfacial tension and contact angle measurements are essential for the determination of energy changes which occur and which give a measure of the degree of wetting of a solid by a liquid, he added.

C. R. Caryl, of the American Cyanamid Company, spoke on "The Structure of Wetting Agent Molecules." Confining the discussion to synthetic organic compounds, comparison was made of the wetting power and other characteristics of several members from each of four homologous series, (1) the sulphated primary alcohols, (2) the sulphated secondary alcohols, (3) the alkyl benzene sulphonates, and (4) the sulphonated esters of succinic acid. Variations in polar groups and in nonpolar groups cause wide differences in their properties. New data were presented for the sulphonated esters of succinic acid, on the area and length of the molecules, and their orientation at an interface as a function of time. Electron microphotographs of sulphur and bacteria treated with wetting agents were shown.

Dr. Samuel Lenher, of the organic chemicals department of E. I. duPont de Nemours & Co. discussed "Uses of Wetting Agents." He reviewed the present commercial uses of wetting agents, discussed uses of penetrants where soap is replaced, mentioned newer applications of wetting agents with special comment on uses which appear to be novel, and gave a history of the development of commercial wetting agents to their present place in industry.

N.P.V.L.A. Committees Are Formed for 1941

OPD Washington Bureau
February 26, 1941

Committees of the National Paint, Varnish and Lacquer Association for 1941, as far as acceptances have been received and committees completed to date have been announced by President Ernest T. Trigg. A few committees remain to be appointed, and others to be completed. Chairmen of committees are:—

Arbitration, R. O. Walker, of the Thibaut & Walker Company, Long Island city.

Budget and finance, S. R. Matlack, of George D. Wetherill & Co., Philadelphia.

By-Laws, H. M. Howard, of the Thibaut & Walker Company, Long Island city.

Calcimine and water paint division, steering committee, Carl Iddings, of the Muralo Company, Staten Island, N. Y.

Chamber of commerce, F. J. Sampson, of the Sampson Paint & Color Company, Richmond, Va.

Chinawood oil, deLancey Kountze, of the Devoe & Raynolds Company, New York.

Clean up and paint up, R. A. Plumb, of the Truscon Laboratories, Detroit.

Credit and collections, William L. Lang, of Devoe & Raynolds Company, New York.

Drying oils, Mr. Trigg.

Formula labeling, deLancey Kountze, of Devoe & Raynolds Company, New York.

Industrial sales, Paul S. Kennedy, of the Murphy Varnish Company, Newark.

Legislative, E. A. Foy, jr., of the Foy Paint Company, Cincinnati.

Local association program, Frank Clarke, of the Pittsburgh Plate Glass Company, St. Louis.

Machinery and equipment, N. W. Kelly, of the Southern Varnish Corporation, Roanoke, Va.

—*Continued on page 44*

A.M.A. Suit Ruling Favors Prosecution

OPD Washington Bureau
February 27, 1941

As the antitrust case against the American Medical Association and its affiliates entered its fourth week, the prosecution won an important victory when the court ruled that Washington hospitals were co-conspirators with A.M.A. doctors against a group medical practice organization.

The ruling, brought after a bitter legal argument between opposing counsel, was important because it can now be shown that the alleged illegal acts of the hospitals were the responsibility of the organized doctors as well. After the favorable ruling, the government began to introduce documentary evidence and presented witnesses proving that local hospitals discriminated against doctors who participated in group medical practice.

Columbia Pigment Sales Headed by Dr. Boss

Dr. A. E. Boss has been named manager of pigment sales of the Columbia chemical division of the Pittsburgh Plate Glass Company. He formerly was manager of the technical service department and he will establish headquarters in this city. Dr. Boss will devote his time to the further development of "Calcene" sales and the establishment of a new program in the interest of "Silene," a calcium silicate pigment.

Dr. Boss was graduated from the University of British Columbia, received his Ph.D. degree at the University of Illinois, served as a research instructor at Oberlin College, Oberlin, Ohio. He was associated as research chemist on pigments at the B. F. Goodrich Company for four years. He joined the Columbia chemical division in 1932.

Combination Deals Invalidate N.J. Fair-Trade Contracts

A manufacturer who sells an article in a combination deal which reduces the price of the article below that which he has set in a contract under the New Jersey fair-trade act, thereby abandons his contract and is not entitled to statutory redress with respect to a dealer who cuts the price of the same article. This was the ruling February 21 of Vice-chancellor Stein in the Court in Chancery of New Jersey in the application of the Frank Fischer Merchandising Corporation for an injunction against the Ritz Drug Company. The case presented several other points of basic relevance to the application of the fair-trade law.

The vice-chancellor summarized his findings in the several phases of the action as follows:—

1. Price-maintenance contract made under the fair trade act. *R. S. 56:4-3 et seq.*, by a distributor of products sold under the trademark of a manufacturer or producer are valid although the distributor acts without the authority or consent of the owner of the trademark. *Schenley Products Co. v. Franklin Stores Co., 124 N. J. Eq. 100*, followed.

2. The minimum resale price established pursuant to contracts made under the fair trade act must be uniform throughout the state and uniformity cannot be obtained unless the manufacturer or distributor effectively binds all retailers selling the product to maintain the established price.

3. Price discrimination between classes of retailers or classes of consumers are not permissible unless specifically authorized by statute.

4. Price-maintenance contracts which are the result of agreement between manufacturers or producers are not valid under the fair trade act or the Sherman antitrust act, as amended, and are not enforceable.

5. Various types of combinations examined and found to be an abandonment of the price structure within *Bathasweet Corporation v. Weissbard, 128 N. J. Eq. 135.*

Supporting Opinion

Vice-Chancellor Stein went to considerable length to cite the precedents of his decision and to express his basic opinion on the purpose and purview of the fair-trade act, and to set forth the causes on which the action before him rested. He said:

The complainant, Frank Fischer Merchandising Corporation, is a wholesaler-distributor of products bearing the trademarks, brands, or names of manufacturers or producers. It filed a bill of complaint charging violations by the defendant of *R. S. 56:4-3 et seq.*, commonly known as the "Fair Trade Act," and the contracts and price schedules established thereunder for certain of the products distributed by the complainant. The present application is for a preliminary injunction. The facts are undisputed and the issues are resolved into pure questions of law.

There are three causes of action. With respect to the first cause of action, the bill of complaint and the answering affidavit reveal that the Andrew Jergens Company, which is a manufacturer or producer of soap sold under the trademark, "Woodbury," had in accordance with the fair trade act established a minimum resale price for the sale of its soap. The Andrew Jergens Company thereafter voluntarily discontinued its price structure with respect to this article. Subsequently and in the month of

—*Continued on page 45*

Drug Manufacturing Unit Of New York City to Move

New York city will soon move its general drug manufacturing laboratory, now located on Welfare Island, to larger quarters in a warehouse being constructed on the East River front at 44th Drive, Long Island City. The building, being constructed for the Bureau of Stores for the city by the WPA, is expected to be completed in June.

The laboratory, which manufactures drug preparations for use by city hospitals and other civic agencies, will occupy the second floor of the new building, it is stated, comprising 12,000 square feet of floor space. A portion of this area will be used for storage.

Preparations made by the laboratory are principally those containing alcohol, which is obtained by the city for such use on a tax-free basis. It was declared that production in the new location would remain much as before, no extensive change in the preparations made being contemplated.

Effective Association Functioning Essential to Private Enterprise

By John M. F. Donovan, Jr.
Trade Association Counselor

(Continued from February 24 issue)

V. Legal Limitations to Be Observed

Trade association management has developed within the last few years into a profession which has an importance little credited or realized by the majority of businessmen in the country, even though most industrialists belong to one or more trade associations which function in the interests of their respective businesses. The primary functions and purposes of trade associations may be described briefly in the following manner:—

They constitute important factors in weeding out unfair competitive practices and in introducing and promoting policies which make industries more efficient.

They promote policies for industries which secure for them a more economical distribution of goods for the benefit of consumers.

They can be instruments for expanding trade and commerce, rather than for restricting it.

They can and should seek to expand production and distribution at lower costs, so that consumers can purchase a greater volume of goods at lower prices, rather than to attempt to restrict production, regiment distribution, raise prices, and gather excessive profits for the members of their organizations.

In order to accomplish the legitimate purposes for which trade associations are formed, some knowledge of the antitrust laws is essential if the executive officers and members of these trade groups are to conduct their various activities within the law. As stated in various releases by the Antitrust Division of the Department of Justice, vigorous enforcement of the antitrust laws can do a great deal to curb the subversive activities of those men who are set upon a course of destructive practices for the elimination of real competition through trade association action or other group activity. But the successful functioning of the competitive system must ultimately depend upon businessmen themselves. The activities of trade associations within lawful spheres can do much to determine the effectual continuance of business memberships in these invaluable organizations.

Activities Regarded Illegal

One of the first trade association cases was the "Hardwood Lumber" case which involved the use of an "Open Competition Plan" for hardwood manufacturers. These manufacturers exchanged full and complete information and statistics regarding the details of their businesses, including stocks on hand, production, shipments, prices, names of purchasers, and the like, and prospects on future market conditions. The method adopted for the exchange of these data was the submission of reports and letters from members of the association headquarters which then circulated this information to the whole membership along with analytical digests and recommendations as to future production and prices. At frequent meetings which were sponsored by the trade association, matters of production and prices were discussed. The Supreme Court of the United States enjoined the use of this plan because it found that its purpose and effect was to restrict fair and open competition. The court concluded that "overproduction" in an industry cannot be met by private plans to restrict it, and prices cannot be artificially maintained through private restraints on production.

The "Linseed Oil" case also condemned trade association activities carried on by manufacturers of linseed oil and allied products. Members of

—*Continued on page 62*

Price-Maintenance Spurs TNEC Squabble

OPD Washington Bureau
February 26, 1941

Resale price-maintenance appears to be one of the most controversial subjects before the Temporary National Economic Committee as it prepares to complete its final report; although the subject had only a minor place during the months of hearings in which the committee covered dozens of business problems.

Criticisms of price-maintenance legislation are before TNEC from several sources. The first monograph in the series of forty-odd economic studies being published by the committee contained a number of unflattering observations on price-maintenance. This was "Price Behavior and Business Policy," prepared by the Bureau of Labor Statistics, and concerned price-maintenance legislation only incidentally. The National Association of Retail Druggists, however, took exception to the reference and filed a brief with TNEC supporting price-maintenance.

Today the Bureau of Labor Statistics filed a reply brief justifying its position and attacking the points made by the retail druggists' organization.

Two weeks ago Assistant Attorney-General Thurman Arnold specifically asked TNEC to recommend repeal of the Miller-Tydings resale-price con-

—*Continued on page 40*

MALLINCKRODT

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Any Grade or Salt you Need

The Mallinckrodt Catalog features a complete list of Bismuth compounds in grades made to meet the needs of pharmaceutical and cosmetic manufacturers. These Bismuth compounds are manufactured in various densities to meet specific manufacturing requirements. Examine briefly, please, the highlights of Mallinckrodt . . .

BISMUTH SUBCARBONATE — Made in five forms, Extra Heavy, Heavy, Medium, Light and Extra Light. Fine, soft, tasteless, odorless — extremely stable even in direct light of the sun.

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RECEIVED MAR 4 1941 LIBRARY THE CHEMISTS' CLUB

Current Market Quotations

February 28, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works..lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls..lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .33 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- —
l.c.l., dlvd.....lb. .08 - —
tanks, dlvd.....lb. .06 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb.1.03 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville..lb. 03%- —
l.c.l., same terms.....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 - —
cbys.....100 lbs. 8.12 - 8.37
tanks.....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs. 10.25 -10.50
cbys.....100 lbs.10.75 -11.00
synth., 99.5%, al. dms..100 lbs. 8.43 - 8.68
tanks.....100 lbs. 5.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
C.P., dms.....100 lbs.13.50 -14.00
pure, 36%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlvd at destination in the following States: Conn., Dels., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., s.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic flb. dms., works....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-23, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld...ton111.00 - —
ton lots, ex whse...ton.123.00 - —

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00- —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .12½- .13
Caprolc, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .14½- .15
Chlorosulphonic, d m s., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N.Y., lb. .15¾- —
smaller quantities, dlvd., N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls.....lb. .37 - —
Coconut oil, dms.....lb. .10½- .11
Cottonseed oil, dist., dms....lb. .07¼- .07¾
tanks.....lb. .06¾- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis...gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms....gal. .63 - .65
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U. S..gal. .43 - —
l.c.l., same basis.....gal. .44 - .45
tanks, dlvd., East. U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .49 - —
l.c.l., same basis....gal. .50 - .51
tanks, dlvd., East. U.S.gal. .448 - —
Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, bbls., 1-ton delivery..lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N.F. VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - —
5-lb. bots.....lb. 2.63 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cby. lb. .20 - —
concentrated, 34%, cby.....lb. .35 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works.....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19, cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12½

Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22¼
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms.....lb. .12 - .12½
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .12½- .13
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l.....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit...c.l.....lb. .0085- .009
Molybdic, kegs, works.....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys, c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P., dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min., acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 100-lb. cns.....lb. 7.15 - —
50 lb. cns.....lb. 7.25 - —
25-lb. cns.....lb. 7.30 - —
5-lb. bots.....lb. 7.46 - —
1-lb. bots.....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs. and over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .07 - .07½
tanks.....lb. .06½- —
Phenylacetic, bots.....lb. 1.50 - 1.95
Phosphoric, ortho, tech., 50%, cbys..lb. .08 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns.....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.20 - —
Pyroligenous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08¾- .09¼
Stearic, dist., double pressed, bgs., dlvd..lb. .10 - .11
single pressed, bgs., dlvd..lb. .09½- .10¼
triple pressed, bgs., dlvd..lb. .12¾- .13¾

Acacia—Alcohol

Acid, stearic, saponif., double pressed, bgs., dlvd..lb. .10¾- .11¼
triple pressed, bgs., dlvd..lb. .13 - .14
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E, works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E, works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .15½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
Tannic, tech., bbls., dms....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment..lb. .57½- —
smaller quantities..lb. .58 - —
kgs.....lb. .58½- —
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vis.....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vis.....gr. 1.60 - —
Acrylonitrile, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —
Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18
Agar, 1, bls.....lb. 1.40 - 1.45
3, bls.....lb. No prices
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .65 - .68
powd., dms., bbls.....lb. .70 - .75
import, cs.....lb. .76 - Nom.
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .121 - —
l.c.l., frt. alld.....lb. .131 - —
tanks, frt. alld.....lb. .111 - —
normal, dms., l.c.l., wks...lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .68 - —
drums.....lb. .62 - —
Butyl, normal, cns., works...lb. .14¼- .16¼
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagon, frt. alld.....lb. .09½- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .08¼- —
l.c.l., same terms.....lb. .08¾- —
tanks, same terms.....lb. .07¼- —
tertiary, denaturing, c. l. dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks.....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .35 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .32½- —
l.c.l., works, dms.....gal. .37½- —
tanks, E., works.....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .31½- —
19 bbls., E. works...gal. .33½- —
1 to 18 bbls., E. works, gal. .36½- —
dms., c.l., E. works...gal. .30½- —
19 dms., E. works...gal. .32½- —
1 to 18 dms.....gal. .35½- —
tanks, E. works.....gal. .24½- —
Anhydrous 5c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .23½- —
19 dms., works, E...gal. .30½- —
1 to 18 dms., works, E. gal. .33½- —
tanks, E. works.....gal. .23½- —

Alcohol—Bismuth Salts

Alcohol, denatured, SD23G, works, E., c.l., dms..gal. .34½- —
19 dms.....gal. .35½- —
1 to 18 dms.....gal. .33½- —
tanks.....gal. .32½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.

Special solvent, dms., c.l., works..gal. .31½- —
20 dms., to c.l.....gal. .33½- —
1 to 19 dms.....gal. .35½- —
tanks, E. works.....gal. .25½- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., divd..lb. .10½- —
l.c.l., divd.....lb. .11 - —
tanks, divd.....lb. .09½- —
tech., dms., c.l., divd.....lb. .10 - —
l.c.l., divd.....lb. .10½- —
tanks, divd.....lb. .09 - —

Ethyl, 190 pf., ex. molasses, dms., c.l.....gal. 6.00½- —
19 dms.....gal. 6.04 - —
5 to 18 dms.....gal. 6.07 - —
1 to 4 dms.....gal. 6.07 - —
tanks.....gal. 5.94½- —
absolute, dms., c.l.....gal. 6.35½- —
19 dms.....gal. 6.39 - —
5 to 18 dms.....gal. 6.42 - —
1 to 4 dms.....gal. 6.42 - —

Ethyl alcohol in bbls. 1c. higher than dms.

Grain alcohol 25c. gal. higher.

Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .22 - —

Furfuryl, tech., con., works..lb. .35 - —
dms., c.l., 55,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works..lb. .35 - —

Isoamyl (see Carbinol Isobutyl).

Isobutyl, refd., dms., works..lb. .0720- —
tanks, same terms.....lb. .0650- —

Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .68½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .42
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37

Methyl (see Methanol).

Phenylethyl, bots., cns.....lb. 2.30 - 2.35

Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —

Propyl, normal, dms., works, gal. .70 - —

Octyl (see ethylhexyl alcohol).

Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y.lb. .44 - —
400-lb. bots, same basis...lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —

Aldehol, denat., grade, dms., tanks, works..gal. .70 - .72

Aldehyde bisulphite, bbls., divd., lb. .17 - —
smaller containers.....lb. .20 - —

Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., wks....lb. .15 - —

Aletris root, bgs.....lb. .39 - .49

Alizarin (see Red, alizarin).

Alkanet root, bgs.....lb. .07 - .09

Alpha tocopherol, ampules, per gram. 1.00 - 1.10

Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .52 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45

Aloin, 140-lb. bbls.....lb. 3.25 - 3.60
100-lb. kgs.....lb. 3.27 - —
25-lb. dbs.....lb. 3.34 - 3.64

Alphanaphthol, bbls.....lb. .52 - —

Alphanaphthylamine, bbls.....lb. .32 - —

Althea root, USP, cube cut, bbls., lb. .90 Nom.

Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
divd. N.Y., Phil...100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
divd. N.Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
divd. N.Y., Phil...100 lbs. 3.90 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all mstrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, divd. N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 3.75 - —
divd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
divd. N.Y., Phila...100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
divd. N.Y., Phila...100 lbs. 4.15 - —

Potash alum prices on same basis as those for ammonia alum.

Potash, chrome, bbls.....lb. No price

Soda, bbls., c.l., works...100 lbs. 3.25 - —
l.c.l., divd.....100 lbs. 4.25 - 5.00

Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, divd...lb. .35 - —
1 to 9, divd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., divd....lb. .33 - —
smaller containers, divd. lb. .45 - —
solut., 24%, bbls., c.l., divd..lb. .07½- —
l.c.l., 10 or over, divd. lb. .08½- —
1 to 9, divd.....lb. .0863- —
normal, pwd., bbls., divd. lb. .33 - —
smaller containers, divd. lb. .35 - —
solut., 20%, bbls., c.l., divd..lb. .09 - —
l.c.l., 10 or over, divd. lb. .09½- —
1 to 9, divd.....lb. .09 - —

Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
160 to 875 lbs., works.lb. .11 - —
160 lbs. or less, works.lb. .12 - —

Alumina, chloride, crystl., com'l, dms, c.l., works..lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03½- —

Formate, 85% solut., bbls., c.l., divd..lb. .12 - —
l.c.l., divd. .....lb. .13 - —

Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0290- —
light, bgs., c.l., divd.....lb. .12 - —
l.c.l., bgs., divd.....lb. .12½- —
bbls., c.l., divd.....lb. .12½- —
l.c.l., bbls., divd.....lb. .13 - —

Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20

Palmitate, precip., bbls.....lb. .20½- .21¼

Resinate, precip., dms., divd..lb. .15 - —

Stearate, precip., bbls., cns., c.l., lb. .18 - —
l.c.l. .....lb. .19 - —

Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works.....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —

Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —

paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs..lb. .37½- —

powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .43 - —
extra fine, dms., 1,500 lbs..lb. .44 - —
lining, dms., 1,500 lbs...lb. .37 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .33 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs..lb. .46 - —
standard, dms., 1,500 lbs..lb. .39 - —

Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-463 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.15.00 -35.00

Aminomethylpropanol, dms., works..lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —

Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.25

Ammonia, acetate, bbls., kgs., divd..lb. .27 - .33
dms., divd.....lb. .32 - .36
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton.90.00 - —
refrigeration, tanks, works, lb. .06 - —
pure, cycls., divd., met. N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .03½- —
dms., c.l.....lb. .02½- —
l.c.l. .....lb. .02½- —
tanks (on NH₃ content), f.o.b. works..lb. .04 - —

Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs. or less.....lb. .43 - —

Bicarbonate, dms., divd., Met. N.Y...lb. .0564- .0614

Bichromate, bbls.....lb. .30 - .32

Bifluoride, bbls.....lb. .14 - .16½

Borate, bbls., kgs.....lb. .15 - .16

Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —

Carbonate, lump, dms., divd., Met. N.Y...lb. .03½- .03¾
cns., same basis.....lb. .14½- —
powdered, 1c. per lb. higher.

Chloride, tech., (see Ammoniac, sal).

USP, gran., 225-lb. bbls....lb. .12 - .18
100-lb. kgs.....lb. .15 - —

Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85

Fluoride, bbls.....lb. .17 - .19

Hydroxide (see Ammonia, aqua).

Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.30 - —

Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —

Linoleate, 80%, anhyd., bbls., lb. .12 - —

Molybdate, kgs., wks.....lb. 1.05 - 1.20

Nitrate, tech., bgs., works, 48% phos., bbls., works.....100 lbs. 4.35 - —
Oleate, dms.....lb. .14 - —

Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .52 - —

Perchlorate, kgs.....lb. No stocks

Persulphate, kgs., dom.....lb. .21 - .22

Phosphate, dibasic, N.F.V., bbls., lb. .27 - —
kgs. .....lb. .29 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08¾- .09¼

Salicylate, USP, kgs.....lb. 1.15 - 1.20

Silicofluoride, bbls.....lb. .11½- .15

Stearate, anhydrous.....lb. .24½- —

paste .....lb. .06½- —

Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.-June shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —

Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Sulphide, liquid, 40-45%, basis 100%, dms., c.l., works..lb. .07½- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —

Ammonia, sulphide, red, 48%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .05 - —
dms., works .....lb. .06 - —

Sulphocyanide, pure, 96-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —

Ammoniac, gum (see Gum, ammoniac).

sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70

white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, cstks.....100 lbs. No prices

Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .11½- —
l.c.l., divd.....lb. .12 - —
tanks, divd.....lb. .10½- —
cns., works.....lb. .16 - .18

ex Pentane, dms., c.l., frt. alld...lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. .10½- —

Alcohol (see Alcohol amyl).

Butyrate, dms., 50 gal., returnable..lb. .75 - —

Caproate, cns.....lb. 2.75 - —

Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0685- —
l.c.l., works.....lb. .0685- —
tanks, works.....lb. .0465- —

Naphthalenes, mixed, crude, l.c.l., dms, works..lb. .15 - —
refd., l.c.l., dms, works..lb. .17½- —

Nitrite, bots.....lb. 1.80 - 1.90

Mercaptan, dms., l.c.l., works, lb. 1.10 - —

Oleate, dms., l.c.l., works...lb. .35 - —

Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —

Stearate, dms., l.c.l., works..lb. .26 - —

Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —

Anethol, bots.....lb. 1.10 - 1.15

Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00

Angostura bark, bls.....lb. .30 - .32

Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —

Salt, dms., works.....lb. .22 - .24

Anise, Bulgarian, bgs.....lb. .23 - .23½
Cyprus, bgs.....lb. .23½- .24
Mexican, bgs.....lb. .22½- .23
Star .....lb. .19 - .19½

Anisic aldehyde, bots.....lb. 2.85 - 2.90

Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½

Anthracene, 80-85%, bbls., wks., lb. .55 - —

Anthraquinone, 98.5%, subl., bbls., lb. .65 - —

Antimony butter (see Antimony chloride).

Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.

Needle, brown, Bolivian, 67%..lb. .16 - —
Chinese, black, 70%.....lb. .24 - .26
Oxide, bgs., c.l., divd.....lb. .12 - .13
l.c.l., divd.....lb. .12½- .14½
Salt, 65%, dms.....lb. .28 - —
bbls. .....lb. .30 - —
White pigment, bgs.....lb. .11½- .14½

Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15

Apomorphine, bots.....oz.23.20 -25.70

Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices

Areca nuts, powd., bbls.....lb. .11 - .12

Arecoline hydrobromide, bots.oz. 5.35 - 6.10

Argols, test 70% to 85%, basis 100%, 100 kgs., purity, 100 kilos. No prices

Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls. .....lb. 1.25 Nom.

Arrowroot, St. Vincent, powd., bgs..lb. .09 - .09¾
bbls. .....lb. .09½- .10

Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.59 - —
jars .....lb. 5.43 - —

Red, import.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04¼- —

Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55

Asbestine (see Talc, N.Y. fibrous).

Asbestos fiber, 5M, bgs., c.l., (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons) Canad. mines—ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l., (30 tons), Canad. mines..ton.15.00 - —

Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —

California, dms., c.l., f.o.b. N.Y...ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —

Cuban A, bgs., c.l., f.o.b. N.Y., ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —

B, bgs., c.l., f.o.b. N. Y...ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —

Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —

Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.00 - —
l.c.l., f.o.b. N. J. or N. Y., Whse..ton.38.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —

Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —

Petroleum, cut-back, bbls., l.c.l., f.o.b. ext., refinery..gal. .13 - —
dms., c.l., E. ext., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —

Atropine, bots. ext., refinery..oz. 6.75 - 7.50
Sulphate, bots.....oz. 5.45 - 6.60

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —

Barium carbonate, natural, 90% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.45.00 - —
l.c.l., works.....ton.50.00 - —
bbls., c.l., works.....ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. .45 Nom.
Chloride, CP, cryst., bbls....lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis. ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l., divd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis. ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis...ton.89.00 - —
l.c.l., bgs., same basis. ton.100.00 - —
bbls., same basis...ton.102.00 - —
Zone 4, bgs., c.l., divd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis...ton.85.00 - —
l.c.l., bgs., same basis. ton.96.00 - —
bbls., same basis...ton.98.00 - —

Dioxide, dms., c.l., works...lb. .40 - —
l.c.l., same basis.....lb. .42 - .15

Fluoride, bbls.....lb. .18 Nom.

Hydrate (see Hydroxide).

Hydroxide, bbls., works.....lb. .05½- .07
Iodide, bots.....lb. 4 77 - —
jars .....lb. 4.62 - —

Monoxide (see Oxide).

Nitrate, cks.....lb. .08½- .10½

Oxide, ungrd., dms., c.l., works. lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works...lb. .11 - .15

Peroxide (see Dioxide).

Sillicofluoride, bbls.....lb. .12 - .16

Sulphate, tech., (seeBarytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —

Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis. ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York....ton.31.50 - —

Southern, off color, bulk mines, ton.12.00 - —
95.75%, bulk mines.....ton.16.00 - —
ore, bulk mines.....ton. 7.00 - —
Cuban, crude, c.l. c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices

Bauxite, bulk mines.....ton. 7.00 -10.00

Bay leaves (see Laurel leaves).

Bay rum, import, bbls.....lb. .82 - .90

Bayberry bark, bgs.....lb. .14 - .15

Belladonna leaves, bls.....lb. 4.75 - 1.80
Root, bls.....lb. 2.00 Nom.

Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16 00 - —

Benzaldehyde, tech., cbys., dms., lb. .45 - .50

N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95

Benzene (see Benzol).

Benzidin base, bbls.....lb. .70 - —

Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —

Benzoyl chloride, cbys.....lb. .23 - .28

Peroxide, pure, gran., 25% dms., works..lb. 1.95 - —

Benzyl acetate, f.f.c., cans....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).

Benzoate, a.m.a., f.f.c., cans.lb. .84 - —
dms. .....lb. .80 - —

Chloride, 95.97%, refd., dms., lb. .19 - .21

Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns....lb.16.75 -17.25
Hydrochloride, cns.....lb.16.75 -17.25
Sulphate, cns.....lb.16.75 -17.25
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.70 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.80 - —
cns. .....lb. 1.80 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns....lb. 1.82 - 2.08
fib. dms.....lb. 1.78 - 1.76
X-ray, 5-lb. bots.....lb. 3.02 - —
fib. dms.....lb. 2.96 - —
Subgallate, bots., cns.....lb. 1.77 - 2.00
fib .dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.01 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib. dms.....lb. 1.48 - 1.51
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.59 - —

He *has* to take chances

Your product doesn't

MEET a man who has to take chances—the man behind the wheel of a racing car. A bullet on wheels zooming down the straightaway . . . careening at terrific speed around curves . . . disaster, missed by inches!

Many products shipped in drums are taking chances, too—"racing" to their destination amid risks that make every mile a hazard. Yet this chance-taking is never necessary. Every product—your product—can be safeguarded by Tri-Sure Closures, the closures that eliminate leakage, waste, tampering, pilferage and substitution. Tri-Sure Closures have a seal which cannot be removed unless it is deliberately destroyed, a plug which is always held tightly in place, a flange which assures complete drainage.

Send your next shipment to the "finish line" in the fine condition in which it started. Don't take chances with your reputation — be sure it is as untarnished tomorrow as it is today. You can do it by equipping every drum with Tri-Sure Closures. Write today for booklet containing complete information.

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CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

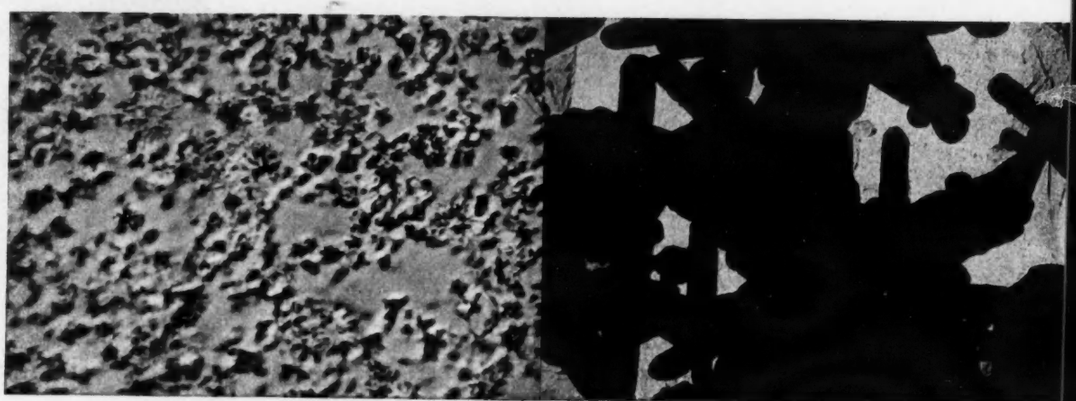
Bismuth Sulph.—Brown Walnut

Bismuth, subcarbonate, 5-lb. bots..lb. 3.61 - —
lb. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l. frt. alld.E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt. alld. E., lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½- —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt .alld. E.....lb. .11½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports..lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports..lb. .02925- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in February-March.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66⅔%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.85
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.65 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 2.75 - —
import, bgs., c.i.f. ports, ship..unit-ton. 2.55 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85

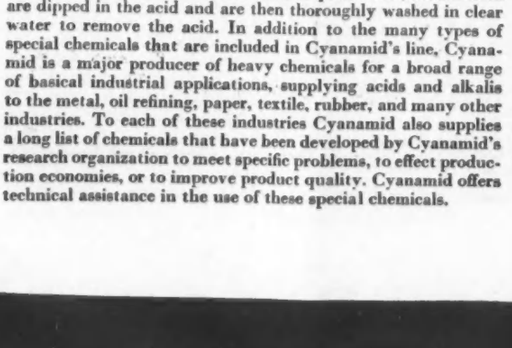
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 3c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., cns., dms.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.32.50 - —
import, bgs., c.i.f. ports..ton.33.00 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.33.00 -35.00
import, bgs., c.i.f. ports..ton.33.00 - —
Phosphate, recip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.42.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
bgs., c.l., frt. alld...ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.34.00 - —
bbls., c.l., frt. alld....ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms...lb. .11½- —
Bordeaux mixture prices are works or whse basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks., lb. .02½- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls, same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08¾- —
8, bbls., same basis....lb. .08½- —
Brown, Sienna, burnt, Italian, group 9, bbls., same basis..lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis...lb. .06¼- —
Raw, American, bbls., f.o.b. works..lb. .02⅞- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .13¼- —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12½- —
4, bbls., same basis....lb. .10½- —
5, bbls., same basis....lb. .10⅛- —
6, bbls., same basis....lb. .09¼- —
7, bbls., same basis....lb. .09⅛- —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07⅛- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .05⅝- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¾- —
St. Louis.....lb. .05¼- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
ex whse, Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chcago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0555- —
Pittsburgh .....lb. .05 - —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —

LIFE on the



(Above) **BOUNDARIES OF KNOWLEDGE** are being pushed back by t electron microscope, which permits useful enlargements far beyo the practical range of optical instruments. Comparative potentia ties of the two types are illustrated by these two photomicrograp of calcium carbonate. Photo at left was taken with an optical micr scope, enlargement 1,500X. (Upper limit of useful magnification wi the optical microscope is about 2,000X.) Total enlargement in t photo at right is 36,000X. This photomicrograph was first taken at enlargement of 12,000X with the electron microscope at Cyanamid Stamford Laboratories, and then enlarged to its present magnificatio



(Above) **DISINFECTING BANANAS** is an unusual application for muriatic acid. At this Central American plantation, the bananas are dipped in the acid and are then thoroughly washed in clear water to remove the acid. In addition to the many types of special chemicals that are included in Cyanamid's line, Cyanamid is a major producer of heavy chemicals for a broad range of basical industrial applications, supplying acids and alkalis to the metal, oil refining, paper, textile, rubber, and many other industries. To each of these industries Cyanamid also supplies a long list of chemicals that have been developed by Cyanamid's research organization to meet specific problems, to effect production economies, or to improve product quality. Cyanamid offers technical assistance in the use of these special chemicals.

(Below) **EASTER LILIES** are now being grown from domestic bull with results that are said to compare favorably with those obtain from imported bulbs. A valuable aid in commercial greenhou plant cultivation is Cyanamid's CYANOGAS† G-FUMIGANT an economical, effective method of greenhouse insect control.

Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .55 - .56
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls..lb. .85 - .90
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .35 - .40
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½- —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld...lb. .09½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .08¼- —
dms., l.c.l., same terms.lb. .08¾- —
tanks, same terms.....lb. .07¼- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works...lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbonal, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —

Butyric ether, bots.....gal. 6.50 - 6.90
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, comi., 16-34°, tanks, group 3..gal. .02½- 03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.61 - —
single jars.....lb. 1.66 - —
5-lb. bots.....lb. 1.80 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cans.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .90 Nom.
ingots or sticks.....lb. .85 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms.. lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms..lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —

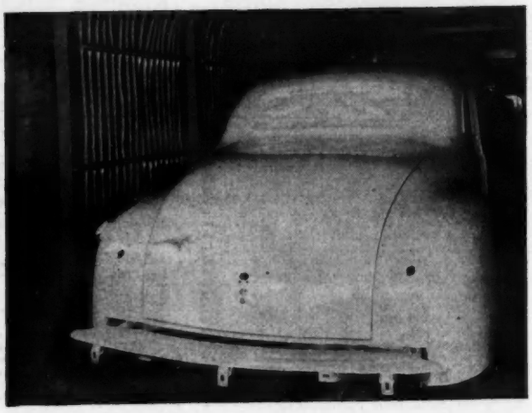
Caffeine, less than 100 lbs., 10-lb. cns..lb. 3.15 - —
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .80
Calamus root, peeled, N. F., cs., bleached, bls.....lb. No prices 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —

Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse,100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton19.00 -33.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.

Chemical Newsfront

(*Above*) **CHEMICAL ICICLES** are one of chemistry's many contributions to the settings of Hollywood stages. The icicles are fashioned out of cellophane and silicate of soda—materials necessary to simulate the transparency of real icicles. After the icicles are shaped and before they are placed in position on the set, they are dipped in alcohol to make them rigid. As a final touch in producing a realistic effect, they are dipped in paraffin, which melts under the heat of the spotlights to create the illusion that the icicles are slowly melting. This method of simulating icicles was devised after a long period of experimentation with a variety of materials.



(*Above*) **DRYING PAINT FROM THE INSIDE OUT** is the novel effect of a recently developed method of induction drying for automobile finishes. The drying heat for the finish is produced by electrical energy generated in the metal body of the car by inductive action. Manufacturers of lacquers and enamels are aided in their efforts to improve product quality to meet constantly more exacting requirements by such Cyanamid products as REZYL*, BEETLE*, TEGLAC*, and PHENAC** Resins as well as the recently developed MELMAC* Resins for formulating finishes of markedly superior properties.

(*Right*) **GLOVE MANUFACTURE** calls for leather of the highest quality—makes exacting demands on the tanning industry. Cyanamid assists the industry with a comprehensive line of leather chemicals and specialties: CUTRILIN† for bating; TANAK†, a syntan especially suitable for white chrome leathers and pastel shades; ASTRULAN† and URSULIN† for fat liquoring; and BETASOL† OT, a remarkably effective wetting agent that gives more effective results and affords production economies in a wide variety of processes in the leather industry.

American Cyanamid & Chemical Corporation
A Unit of American Cyanamid Company
30 ROCKEFELLER PLAZA NEW YORK, N. Y.
*Trademark of American Cyanamid Company
† Registered U. S. Patent Office
**Trademark of American Cyanamid & Chemical Corporation
These resins are manufactured under one or more U. S. Patents

Brucine—Castoreum

Calcium, glycerophosphate, fib. dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt.unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, kgs., 100 lbs. lb. .95 - —
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs..lb. .82 - 83
slabs, cs.....lb. .82 - .83
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran.,powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0330- .0350
Morocco, bgs.....lb. .04 - .04½
Turkish, bgs.....lb. .0340- .0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd, bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .56 - .58
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl (see Amyl alcohol, tertiary).
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
Zone 3, 5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.,gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind,, Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .95 - .98
green, Ceylon, afloat, bgs....lb. .95 - .96
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .17 - .18
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .11½- .12½
5 tons, works.....lb. .11¾- .12¾
smaller lots, works....lb. .12 - .13
80-100 mesh, bgs., c.l.....lb. .12 - .13
5 tons., works.....lb. 12¼- .13¼
smaller lots, works.....lb. .12½- .13½
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .12 - —
80-100 mesh, bgs., c.l., duty paid..lb. .12½- —
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .17½- .18
No. 1, regular, bls.....lb. .17 - .17½
shortsticks, bls.....lb. .13½- .14
broken, bls.....lb. .11 - .11½
China, buds, bags.....lb. .12 - .12½
Rolls, select., bls.....lb. .11 - .11½
broken, extra, bls.....lb. .09¾- .10¼
Saigon, No. 1, 4-10-4, bls....lb. .18¾- .19¼
10-6-2, bls.....lb. .19¼- .19¾
all thin, bls.....lb. .21 - .21½
Cassia fistula, bekta.....lb. .15 - .16
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —

Castor Beans—Dyes

Castor beans, Brazilian, ship't. c&f, N.Y...ton 51.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton 15.00 - —
import, bgs., c.l.f., ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .57 - .59
Indian .....lb. .35½- .36
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (29-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. .....lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —
Acetate-propionate, high (30-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .48 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works....lb. .46 - —
Triacetate, flake, frt alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. 1.00 - 1.25
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton 35.40 - —
Colo. .....ton 42.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton 35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton 27.00 - —
Indiana .....ton 31.00 - —
Ill. (river points), Mo., Okla., Tex., (except El Paso), Ia.....ton 25.00 - —
Kansas, El Paso, Tex., ...ton 26.60 - —
Michigan .....ton 32.80 - —
Ohio .....ton 32.80 - —
Penn. .....ton 34.80 - —
Utah .....ton 36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton. 10.00 - 16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 - 15.50
wet-grd., silk-bolt, 90.9% 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton. 12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton. 18.60 - 25.00
powd., cks., l.c.l., ex whse., ton. 45.00 - —
Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05½- —
contracts, dlvd., N. Y...lb. .05¾- —
l.c.l., dlvd., N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt., equald., 100 lbs. 2.90 - —
Chloracetophenone, tins, works..lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms..lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut., 8½%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works....ton. 16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in. medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .83 - .90
20 in., medium, cs.....lb. .85 - .90
Cinchona bark, USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns.100 ozs..oz. .53 - —
Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns.100 ozs..oz. .66 - —
Sulphate, N.F., cns.100 ozs..oz. .42 - —
Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchophen, USP, 25-lb. fib. dms., lb. 3.60 - —
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys.....lb. .85 - .90
Cinnamon, Ceylon, 2, bls.....lb. .17 - .17½
3 bls.....lb. .16¾- .17¼
Citral, bots., cns.....lb. 1.40 - 3.10
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.60 - 1.85
Clove, Amboyna, bgs.....lb. .22 - .23½
Madagascar .....lb. .16¼- .16¾
Zanzibar .....lb. .16 - .16½
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works...bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works..dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms...lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
3½%, cobalt oxide, bbls....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .19 - —
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100-ozs..oz. 10.50 - —
Phosphate, cns., 100 oz.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz. 22.00 - 25.00
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
flexible, USP, dms., 325 lbs..lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .55 - .56
Colombo root, bls.....lb. .15 - .16
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .32
Copaiba balsam, Para, cns.....lb. .27 - .28
S.A., USP, cns.....lb. .29 - .30
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd..lb. .24 - —
Carbonate, 52-54%, bbls.....lb. .16½- —
Chloride, cryst., bbls.....lb. .16 - —
Cyanide, tech., bbls.....lb. .34 - —
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - —
Nitrate, cryst., bbls.....lb. .16¾- —
Oleate, precip., bbls.....lb. .20 - —
Copper, oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l, 80-88%, kgs., f.o.b. N.Y..lb. .20½- —
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.00 - —
1-5 bbls., same basis, 100 lbs. 5.25 - —
monohydrated, dms., c.l., dealers, f.o.b. works.100 lbs. 8.60 - —
l.c.l., dealers.....100 lbs. 9.60 - —
Copperas, cryst., gran., bgs., c.l., works..ton. 17.00 - —
bbls., c.l., works.....ton. 20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton. 14.00 - —
Copra, Coast, ship.....lb. .02 Nom.
Coriander, bgs.....lb. .07 - .07½
bleached, bgs.....lb. .09 - .09½
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 3.95 - —
slabs, bbls., c.l.....100 lbs. 3.31 - —
solid, bbls., c.l.....100 lbs. 3.43 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.42 - —
43°, bbls., c.l.....100 lbs. 3.47 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .10 - .11
Cornsilk, bls.....lb. .15 - .16
Cottonseed, bull sack, 32-36% pot. ash, bgs., dlvd..unit-ton 1.00 - —
meal, 8%, Southeast, mills..ton. 24.50 - 25.00
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
loz. cns.....lb. 3.35 - 3.60
less than 5 dms.....lb. 4.15 - 4.65
Cramp, bark, genuine, bls.....lb. .23 - .24
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .47½- —
smaller lots, bbls.....lb. .48 - —
kgs.....lb. .48½- —
Creosote, beechwood, bots.....lb. No prices
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., chys.....lb. 1.90 - 2.29
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works.gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works..lb. .09¾- —
l.c.l., same basis.....lb. .09½- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works..lb. .15 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l.....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C....lb. .19 - .21
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs.....lb. .39 - .41
powd., cs.....lb. .45 - .47
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .17½- .18
Cyprus, bgs.....lb. .17½- .18
Persian, bgs.....lb. .15¾- .16¼
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y. duty paid..lb. .04½- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N. unit-ton. 1.40 - —
Cyanide-chloride, mixture, 45% gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —

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Damiana leaves, bls.....lb. .16 - .17
Dandelion root, German, bls...lb. .75 - .80
Decanol, normal, tech., 380 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common dom., bbls...lb. .07½- .08½
neutral, dom., bbls.....lb. .13 - .16
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.....lb. .21 - .23
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.05 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.60 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Potato, import, bgs.....lb. No stocks
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 10.00 - 11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½- —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
l.c.l., works.....lb. .50 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works...lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton. 22.00 - 25.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard.....ton. 35.00 - 39.00
l.c.l., ex whse.....ton. 35.00 - 90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .06 - —
l.c.l., ex whse.....lb. .10 - .14
Import, bgs., c.l., c.i.f...ton. No price
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .52 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½- —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate (dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .18 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works,..lb. .032 - —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works,frt. alld. E. of Miss river, l.c.l., dms..lb. .75 - —
Diethylaniliin, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Carbanol, l.c.l., dms., works, lb. .60 - —
Oxalate, dms., l.c.l., dlvd....lb. .27 - —
Phthalate, dms., c.l., frt. alld, lb. .19 - —
l.c.l.....lb. .19½- —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works..lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .12½- —
Digitalis leaves, dms.....lb. .35 - .40
Digilycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works..lb. .19 - —
Dillseed, recleaned, bgs.....lb. .07¾- .08¼
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½- —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½- —
Dimethylaniliin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd..lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl (see amyl alcohol, tertiary).
Dimethylethyl carbinol, l.c.l., dms., works..lb. .60 - —
Dinitrobenzene, bbls., 80° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks.....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .18 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs., or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 6.00
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton. 32.00 - —
Venezuelan .....ton. 35.00 - —
Doggrass root, cut, N.F., bls..lb. .60 - .65
Dogwood bark, Jamaica, bls...lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors), for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns....lb. 13.50 - —
FD&C green, No. 2, cns....lb. 17.50 - —
FD&C green, No. 3, cns....lb. 27.50 - —
Green, FD&C green, No. 1, cns, lb. 13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns..lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics):—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb. 18.50 - —
Brown, D&C brown, No. 1, cns., lb. 12.35 - —
Green, D&C green, No. 5, cns., lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns...lb. 15.35 - —
D&C orange, No. 11, cns...lb. 17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb. 18.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb. 13.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb. 10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext. D&C green, No. 1, cns..lb. 12.35 - —
Red, Ext. D&C red, No. 1, cns..lb. 10.35 - —
Ext. D&C red, No. 3.....lb. 21.85 - —
Ext. D&C red, No. 6.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb. 12.35 - —
Ext. D&C red, No. 12, cns..lb. 12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
58 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .80 - .85
289 Fast cyanin RR.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .53 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .80 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
581 Direct black EW.....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow...lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
885 Nigrosin derivatives...lb. .38 - .62
Blue:—
1073 Alizarin astrol base...lb. 15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 300 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

Green:—
1078 Alizarin cyanin green..lb. 5.00 - —
Green .....lb. .75 - —

Orange:—
24 Sudan I.....lb. .75 - —
Orange, red shade....lb. .75 - —

Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .85 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
630 Oil violet.....lb. .50 - —

Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

Black:—
864 Nigrosin .....lb. .38 - .44

Blue:—
860 Indulin .....lb. .60 - .70

Brown:—
331 Bismarck brown.....lb. 1.50 - —

Green:—
637 Malachite green base..lb. 2.00 - —

Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin ..... - -

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
748 Rhodamine B.....lb. 4.75 - —

Yellow:—
97 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS....lb. 2.00 - —

Violet:—
680 Methyl violet base....lb. .85 - —

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—
246 Naphthol blue black S.lb. .50 - —
873 Methylene gray.....lb. 1.50 - —

Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
906 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .85 - —

Brown:—
234 Resorcin brown Y.....lb. .65 - —
255 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G....lb. .40 - .52
332 Bismarck brown R....lb. .50 - .52
793 Phosphin .....lb. 4.65 - —

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —

Orange:—
10 Chrysoidin G.....lb. .42 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B, lb. .63 - —
79 Popocau B.....lb. .43 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
188 Crocein scarlet 3BX...lb. .72 - .75
185 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .65 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 2.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —

Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —

Yellow:—
10 Naphthol yellow S....lb. .88 - —
138 Metanil yellow.....lb. .53 - —

A SYMBOL THAT DENOTES
Perfection
in alkalies and other chemical products
THE LABELS pictured here, each bearing the well known Solvay Anchor trademark, give some indication of the scope of Solvay's family of products. These labels also serve to illustrate the broad, many-sided development of America's oldest and largest manufacturer of alkali products during the past 60 years. When Solvay started production, Soda Ash was its only product and the production rate was about twenty tons a day.
Today, Solvay plants throughout the country are producing a diversity of products which have wide application in industry. The numerous forms of these products that Solvay produces—and makes available in such basically important quantities—are proof of an ability to keep pace with all demands for new and specialized materials.
Solvay alkalies are of such purity, uniformity and dependability as to make the Solvay Anchor a symbol to be remembered when you are placing your orders.
SOLVAY SALES CORPORATION
Alkalies and Chemical Products Manufactured by The Solvay Process Company
40 RECTOR STREET NEW YORK, N. Y.
BRANCH SALES OFFICES
BOSTON • CHARLOTTE • CHICAGO • CINCINNATI • CLEVELAND • DETROIT
NEW ORLEANS • NEW YORK • PHILADELPHIA • PITTSBURGH • ST LOUIS • SYRACUSE
Plants Located At: Syracuse, New York • Detroit, Michigan • Baton Rouge, Louisiana • Hopewell, Virginia
A 48-page booklet describing the many products and services of Solvay will gladly be sent on request. Write today for your copy of "SOLVAY PRODUCTS."
SOLVAY Products

Dyes—Film Scrap

Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow....lb. 1.15 - —
640 Tartrazin .....lb. .90 - —
655 Auramine .....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .50 - .60
imported .....lb. .56 - .60
Elder flowers, bright, bls.....lb. .72 - .75
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz. 22.00 - 23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, U.S.P. hemihydrate, tins, 1,000 oz..oz. .70 - —
100 ozs.....oz. .80 - —
anhyd., dms., 1,000-oz. lots.oz. .75 - —
100-oz. lots.....oz. .85 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .55 - —
tins 100-oz. lots.....oz. .65 - —
Sulphate cryst., tins, 1,000-oz. lots..oz. .53 - —
tins, 100-oz. lots.....oz. .63 - —
Epsom salt, tech., bgs.....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .06 - .09
Ergot, USP, cns., dms.....lb. 1.55 - 1.80
Eserine, bots.....oz. 50.00 - 60.00
Salicylate, bots.....oz. 42.00 - 54.00
Sulphate, bots.....oz. 42.00 - 54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., 310-lb. dms., lb. .11 - —
cns., 27 lbs.....lb. .14 - —
Synth., dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks .....lb. .08 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½ - —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½ - —
98-99%, dms., c.l., frt. alld..lb. .07½ - —
l.c.l., frt. alld.....lb. .08½ - —
tanks, frt. alld.....lb. .06½ - —
N.F., 460-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14½ - —
Acetoacetate, dms., c.l., wks.lb. .27½ - —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .56 - .65
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.90 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd.....lb. .75 - —
Formate, cns., dms.....lb. .32 - .36
Iodide, bots.....lb. 2.90 - 3.00
Lactate, 55-gal. dms., works..lb. 23½ - —
5-gal. dms., works.....lb. .27½ - .29½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Ethyl, vanillin, 25-lb. lots, cns.lb. 6.00 - —
5-lb. lots, cns.....lb. 6.50 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0686- —
West of Rockies, same basis..lb. .0745- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0746- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol, dms., c.l.....lb. .14½ - —
l.c.l. .....lb. .15½ - .16½
tanks .....lb. .13½ - —
Monobutylether, dms., c.l., works..lb. .16½ - —
l.c.l., works.....lb. .17½ - .20½
tanks, works.....lb. .15½ - —
Monoethylether, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - .16½
tanks, works.....lb. .13½ - —
Monoethylether, acetate, dms., c.l., works..lb. .11½ - —
l.c.l., dms.....lb. .13½ - .15½
tanks, works.....lb. .10½ - —
Monomethylether, dms., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .16½ - —
tanks, works.....lb. .14½ - —
Ethylidinanilin, dms.....lb. .42 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .08 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton. 14.00 - 17.00
l.c.l., minimum 2 tons..ton. 17.00 - 20.00
glass, 20 mesh, bulk, works.ton. 9.75 - 12.25
l.c.l., minimum 2 tons..ton. 12.75 - 16.25
pottery, bulk, Ms., works..ton. 17.00 - 19.00
N. C., works.....ton. 17.00 - 19.00
l.c.l., minimum 2 tons.ton. 20.00 - 22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
French, bgs.....lb. .35 Nom.
Indian, bgs.....lb. .11½ - .12
German, large, bgs.....lb. .22 Nom.
Roumanian, bgs.....lb. .11½ - .12
Fenugreek seed, bgs.....lb. .04½ - .05
Ferric, sulphate, anhyd., c.l., works..ton. 35.00 - —
l.c.l. .....ton. 40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .16 - —

Fir, Balsam—Hyoscine

Fir balsam, Canada, cns.....gal. 16.00 -16.50
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. No prices
meal, bgs., f.o.b. Balto.....ton. 58.00 -59.00
6-7% ammon., 3% phosphor. acid, bulk, Gc. Atlantic factories, contracts.....unit-ton. 2.50 & .50
sardine, meal, Japanese, 11¼% ammon., bgs., c.i.f. ports, Jan. shipt..ton. No prices
spot..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs.....lb. .11 - —
Flaxseed, French, black, bgs...lb. .55 - .60
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton..29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton. 20.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton. 20.00 - —
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines...ton. 15.00 - —
import, bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .16 - .17
Gambier, common, cases.....lb. .07 - .08
plantation, cases.....lb. .09½- .11
cubes, Singapore, cases....lb. .09 - .10
extract, bbls.....lb. .09½- .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .05½- .06½
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .13½- —
Gulf Coast, US motor, 70-72 octane, tanks, ex tax..gal. .03¼- .03½
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .04½- .04⅝
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .04½- .04⅝
natural, 18-55, tanks....gal. .02⅝- .02⅞
36-70, tanks.....gal. .02 - .02⅜
Gelatine, silver, cs.....lb. .60 - .67
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .40 - .45
grd., bbls., bxs.....lb. .44 - .49
powd., bbls., bxs.....lb. .45 - .50
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger, African, No. 1, bgs...lb. .07½- .08
Cochin, lemon, bgs.....lb. No stocks
Jamaica, bold, bgs.....lb. .17 Nom.
medium, bgs.....lb. .16 Nom.
grinding, bright, bgs.....lb. .15½ Nom.
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs. lb. 12.00 -13.00
Glauber's salt, andhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.18
5 tons or over, works, 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
36/58 bgs., c.l., dlvd.....lb. .15½- —
l.c.l., dlvd.....lb. .14 - —
58/82 bgs., c.l., dlvd.....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
82/106 millopose, bgs c.l., dlvd..lb. .15½- —
l.c.l., dlvd.....lb. .16 - —
Hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest. lb. .17 - —
l.c.l., same basis.....lb. .17½- —
60/164, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19 - —
67/122, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20 - —
75/222, bgs., c.l., same basis, lb. .22½- —
l.c.l., same basis.....lb. .23½- —
88/251, bgs., c.l., same basis, lb. .23½- —
l.c.l., same basis.....lb. .24½- —
92/283, bgs., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25½- —
102/315, bgs., c.l., same basis..lb. .25½- —
l.c.l., same basis.....lb. .26 - —
113/347, bgs., c.l., same basis..lb. .26 - —
125/379, bgs., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .28 - —
Glue prices for barrel packing, ½c. per lb. higher; grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms., c.l., dlvd.....lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12½- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12½- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms. returnable, c.l., dlvd..lb. .09½- —
l.c.l., same basis....lb. .10½- —
tanks.....lb. .08½- —
Glycerin, saponification, basis 88%, for refiners, dms. returnable, tanks, dlvd....lb. .08½- .08¾
soaplye, basis 80%, dms., tanks, returnable, dlvd..lb. .07½- .07¾
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz. 35.00 - —
Chloride, acid brown, both...oz. 20.75 -21.00
yellow, bots.....oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots.....oz. 14.50 -14.75
Gold of pleasure, seed, bgs....lb. .16 - .16½
Goldenseal, root, bls.....lb. 2.50 - 2.85
powd., bxs.....lb. 2.75 - 2.80
Grains of paradise, bgs.....lb. .40 - .41
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works..lb. .02⅝- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03⅝- —
l.c.l., works.....lb. .04½- —
Grease, house.....lb. .04¾ Nom.
white.....lb. .05 Nom.
yellow.....lb. .04¾ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07¾- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08⅝- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14¼- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis..lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .68 - —
Paris (see P).
Green, tungstated, brilliant, kgs. lb. 3.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.65 - 1.75
Sumatra, cs.....lb. .19 - .20
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. No prices
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices on 30,000 lbs. min. apply to assrtad lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22⅜- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
Gum, copal, Congo, 8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13¾- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13½- —
11, hard dark amber, bold, bgs., c.l., same basis..lb. .12¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11¾- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10¾- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09¼- —
17, pale, fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18¾- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12¾- —
23, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11¾- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .05¼- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, bgs., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06¼- —
Hiroe Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10¼- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis, lb. .13¾- —
light, bskts., c.l., same basis..lb. .15¾- —
Loba A, bskts., c.l., same basis..lb. .11¾- —
Loba B, bskts., c.l., same basis..lb. .11¾- —
C, bskts., c.l., same basis, lb. .11¼- —
CNE, bskts., c.l., same basis..lb. .08½- —
D, bskts., c.l., same basis, lb. .12¾- —
DK, bskts., c.l., same basis, lb. .08 - —
dust, bskts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bskts., c.l., same basis..lb. .15¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bskts., same basis..lb. .10¾- —
DBB, bskts., c.l., same basis..lb. .10 - —
MA, bskts., c.l., same basis, lb. .07¾- —
MB, bskts., c.l., same basis, lb. .07¼- —
WS, bskts., c.l., same basis, lb. .10 - —
A/D, cs., c.l., same basis, lb. .13¾- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .08 - —
chips, pale, bskts., c.l., same basis..lb. .11¾- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale sorts, bskts., c.l., same basis..lb. .10½- —
nubs, bskts., c.l., same basis..lb. .13½- —
scraped, bskts., c.l., same basis..lb. .14¾- —
seeds and dust., bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same basis, lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis..lb. .15¼- —
A/E, cs, c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis....lb. .20¼- —
C, cs., c.l., same basis....lb. .14¾- —
D, cs., c.l., same basis....lb. .13¼- —
dust, cs., c.l., same basis..lb. .07¾- —
E, cs., c.l., same basis....lb. .10 - —
F, cs., c.l., same basis....lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis....lb. .07¼- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07¼- —
seeds, cs., c.l., same basis.lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs..lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
Gum, elemi, dlvd. Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va. and N. C., 75,000 lbs., contrs. or straight, c.l..lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight c.l..lb. .07 - .07½
straight, c.l..lb. .07 - .07⅝
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
EX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basi....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.60
Myrrh, USP, cs.....lb. .45 - .50
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opiums (see O).
Rosin (see R).
Sandarac, cks.....lb. .50 - .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs. 15.00 -15.25
Tragacanth, Alleppo, 1 cs....lb. 2.75 - 2.85
2 cs.....lb. 2.45 - 2.60
3 cs.....lb. 2.10 - 2.20
Yacca, bgs.....lb. .03¼- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 22.45 - —
Medicine Lodge, Kans., frt. equald..ton. 17.00 - —
Harlem River, N. Y., frt. equald..ton. 13.06 - —
New Brighton, N. Y., frt. equal..ton. 27.65 - —
Southard, Oklahoma, frt. equald..ton. 17.00 - —
Sweetwater, Texas, frt. equald..ton. 21.45 - —
Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton. 12.50 - —
Acme, Tex., frt. equald.ton. 12.50 - —
Medicine Lodge, Kans., frt. equald..ton. 12.50 - —
New Brighton, N. Y. frt. equald..ton. 13.00 - —
Southard, Oklahoma, frt. equald..ton. 12.50 - —
Sweetwater, Texas, frt. equald..ton. 12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southerd, Okla.; Sweetwater, Tex.; frt. equald., ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton. 12.00 - —
import, bgs., ex dock.....ton. 28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.10 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06¼- .06⅝
Henbane leaves, bls.....lb. 1.75 Nom.
Henna leaves, bls.....lb. .30 - .32
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08¼- —
normal, 86-100°, dms., c.l., Group 5..gal. .11¼- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3..gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .29 - —
1-5, dlvd., Group 3.....gal. .33 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works.....lb. .25 - —
Homatropine hydrobromide, 25 oz. bots..oz. 15.00 -15.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.75 - 2.80
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz. 20.00 - —
Hydrochloride, bots., 4 oz...oz. 20.00 - —
Sulphate, bots., 4 ozs.....oz. 21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofluramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz. 65.00 -75.00
Hydrochloride, bots.....oz. 65.00 -75.00

Hyoscyamine, bots.....oz. 21.25 - 22.25
Hydrobromide, bots.....oz. 21.25 -22.25
Sulphate, bots.....oz. 21.25 -22.25
Hypernic, ext., liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz. 12.50 - —
Indol, CP, bots.....lb. 32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone alpha, bots.....lb. 2.75 - 2.80
Alpha, extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.20 - 1.25
powd., bxs.....lb. 1.45 - 1.40
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 300-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .09
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, red, tech., dms.....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .36
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .36
pearls, cns.....lb. .35 - .36
scales, cns.....lb. .47 - .50
Iron-oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .07 90- —
tanks, works.....lb. .06 90- —
Propionate, dms., works.....lb. .09½- —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - —
tanks, E. of Rockies, frt. alld..lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., 5 gals., frt. alld., gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .33 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .28 - .31
powd., bbls., bxs.....lb. .30 - .32
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. Nominal

K

Kamala, tins.....lb. .30 - .32
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0490- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¼
Pennsylvania, 45 w.w., tanks, gal. .05½- .05¼

Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tuos.....100 lbs. 6.50 - 6.60
Middlewestern, trcs....100 lbs. 6.30 - 6.40
Neutral, trcs.....100 lbs. 7.25 - 7.35
Western, choice, trcs..100 lbs. 6.40 - 6.50
Compound, trcs.....100 lbs. 8.50 - 8.75
Larkspur seed, bgs.....lb. 1.60 - 1.70
Laurel berries, bls.....lb. .25 - .28
Leaves, Greek, bls.....lb. .30 - .32
Turkish, bls.....lb. No stocks
Lavender flowers, ordinary, bls.lb. .50 - .55
medium, bls.....lb. .55 - .60
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .09 - .09½
l.c.l., bgs.....lb. .09½- .10
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .06¼- —
Lead, blue, basic sulphate, bbls., l.c.l., dlvd. E.....lb. .06½- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, powd., bbls., tech..lb. .23 - —
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0840- —
Other points.....lb. .0815- —
l.c.l., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga.; La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —

Hyoscyamine—Lead, Resinate

Lead, red, dry, 95% or less Pb_3O_4, l.c.l., 5 tons, dlvd., Colo., Mont., N. Mex., Wyo..lb. .09 - —
other points.....lb. .08½- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¼- —
other points.....lb. .09 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0865- —
other points.....lb. .0840- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¼- —
other points.....lb. .09¼- —
smaller lots, dlvd. Ala.lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
98%, Pb_3O_4, bbls., c.l. (20 tons) dlvd., Ala., etc..lb. .0890- —
other points.....lb. .0865- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¼- —
other points.....lb. .09 - —
smaller lots, dlvd., Ala., etc..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —

RCI

Chemicals

C.P. Chrome Yellows

RCI Chrome Yellows are typical of the high standard of quality inherent in the complete RCI chemical color line.

They have good resistance to light when used full strength or in tints, relatively good acid resistance, good tinting strength and easy grinding and dispersion.

In addition, exhaustive research has shown that No. 1085 C.P. Chrome Yellow Medium, No. 2010 Chrome Orange Light and No. 2020 C.P. Chrome Orange Medium are the most versatile yellow pigments available for the compounding of coatings which must meet Government specifications.

Write for more complete technical information on these outstanding pigment colors.

REICHHOLD CHEMICALS, INCORPORATED, CHEMICAL COLOR DIVISION
Factory: BROOKLYN, N.Y. General Offices: DETROIT, MICH.

Lead Silicate—Mica

Lead, silicate, bgs., 5 tons.....lb. 6.38 - —
smaller lots.....lb. 6.80 - —
Stearate, bbls.....lb. .23 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bgs., or bbls., c.l. (20 tons), works, frt. alld..lb. .10¼ —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10½ —
Pac. Cst., ex whse....lb. .10½ —
smaller lots, E. frt. alld.lb. .10¾ —
Pac. Cst., ex whse....lb. .10¾ —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾ —
other points.....lb. .07½ —
l.c.l., dlvd., Ariz., etc..lb. .08 —
other points.....lb. .07¾ —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¾ —
other points.....lb. .06½ —
l.c.l., dlvd., Ariz., etc..lb. .07 —
other points.....lb. .06¾ —
In oil, 100-lb. kgs., consumers, lb. .12¾ —
dealers .....lb. .10¾ —
painters .....lb. .11¾ —

Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis..lb. .47½ - .63
grades 2 or 3, dom., c.l., same basis..lb. .47½ —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 —
l.c.l., same basis.....lb. .52½ - .70
purified, cs., dms., c.l., same basis..lb. .65 —
l.c.l., same basis.....lb. .67½ - .85
tech., grade 1, dms., c.l., same basis..lb. .35 —
l.c.l., same basis.....lb. .37½ - .55
grade 2 or 3, dms., c.l., same basis..lb. .87½ —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .12 - .13
select, bdls., cs.....lb. .50 - .60

Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa.....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio.....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich.....ton. 8.00 - —
Martinsburg, W. V...ton. 7.00 - —
Menominee, Mich.....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton. 13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal...ton. 13.00 - —
Sciote, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa.....ton. 8.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio.....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Lime Crest, N. J.....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton. 14.50 - —
Manistique, Mich.....ton. 9.00 - —
Marblehead, Ohio.....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Petoskey, Mich.....ton. 9.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. D....ton. 12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal...ton. 16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton. 11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton. 11.00 - —
Lime Crest, N. J.....ton. 8.50 - —
Marblehead, Ohio.....ton. 11.00 - —
Sciote, Ohio.....ton. 10.00 - —
Woodville, Ohio.....ton. 11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07¼ - .08½
dms., same basis.....lb. .10½ —
400 lbs., or more, bgs., same basis..lb. .07¾ - .08¾
dms., same basis.....lb. .11 —
less than 400 lbs., same basis, lb. .08¼ - .09½
dms., same basis.....lb. .12 —
solution, Zone 1, dms., consumers..gal. .16 —
Zone 2, tanks, dealers, wks., gal. .08½ —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd., gal. .07½ —
30-50 dms.....gal. .10½ - .14½
Zone 4, tanks, dealers, wks., gal. .08 —
dms., wks., except Cal.gal. .12 —
Zone 5, tanks, dealers, dlvd. gal. .10½ —
dms. .....gal. .12 —
Zone 6, tanks, dealers....gal. .07½ —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va., western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.75 - 3.30
Linalyl acetate, cns.....lb. 3.20 - 4.25
Linden flowers, with leaves, bls.lb. .45 - .50
without leaves, bls.....lb. .50 Nom.
Linseed cake, bgs., export...ton. 21.00 Nom.
meal, bgs.....ton. 23.00 - 23.50
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0740 —
Other points.....lb. .0715 —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .07¾ —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼ —
Colo., Mont., N. Mex., Wyo..lb. .08 —
Other points.....lb. .07½ —
smaller lots, dlvd., Ala..lb. .08¼ —
Ariz., etc.....lb. .08¾ —
Colo., etc.....lb. .08¼ —
Other points.....lb. .08 —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.49 - —
25-lb. dms.....lb. 1.45 - —
kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼ —
smaller lots.....lb. .05½ —
bbls., c.l., (20 tons).....lb. .05¾ —
smaller lots.....lb. .05¾ —
ordinary, bgs., c.l. (20 tons).lb. .0385 —
smaller lots.....lb. .0410 —
bbls., c.l. (20 tons).....lb. .0410 —
smaller lots.....lb. .0435 —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .20 - .21
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½ - .12½
solid, bxs.....lb. .16½ - .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .45½ - .46
Batavia, cs.....lb. .20 - .23½
Siauw, cs.....lb. .20 - .31
West Indian, cs.....lb. .31 - .32
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., bgs..lb. .06 —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼ —
bbls.....lb. .07½ —
kgs.....lb. .08¾ —
l.c.l., bgs.....lb. .07¼ —
bbls.....lb. .08¼ —
kgs.....lb. .09¾ —
Zone 2, c.l., bgs.....lb. .06¼ —
bbls.....lb. .07½ —
kgs.....lb. .08¾ —
l.c.l., bgs.....lb. .07 —
bbls.....lb. .08¼ —
kgs.....lb. .09¾ —
USP, Zone 1, c.l., bgs.....lb. .06 —
bbls.....lb. .06¼ —
kgs.....lb. .08¾ —
l.c.l., bgs.....lb. .09 —
bbls.....lb. .09¼ —
kgs.....lb. .10¾ —
Zone 2, c.l., bgs.....lb. .06 —
bbls.....lb. .06¼ —
kgs.....lb. .08¾ —
l.c.l., bgs.....lb. .08¾ —
bbls.....lb. .09¼ —
kgs.....lb. .10¾ —
Other points.....lb. .06 —

Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., D. of C., Del. and Md., c.l., shipments, frt., equald., with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .18 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton. 39.00 - 42.00
Hydroxide, med., 200-lb. bbls., lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphate, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.60 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.60 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., cns., c.l., lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .65 - —
Magnesite, cal., dom., bgs....ton. 65.00 - 70.00
Imports, bgs., duty paid...ton. 70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton. 22.00 - 25.00
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .22 - .24
Mandrake root, bls.....lb. .12 - .18
Manganese acetate, dms.....lb. .26½ —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 25-40 tons, works, ton. 71.50 - —
5-15 tons, works.....ton. 74.50 - —
1/4, 4 tons, works.....ton. 79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
l.c.l., 5 tons, works.....ton. 77.00 - —
smaller lots, works..ton. 82.00 - —
burlap bgs., c.l., works, ton. 71.75 - —
l.c.l., 5 tons, works...ton. 74.75 - —
smaller lots, works.ton. 79.75 - —
paper bgs., c.l., works.ton. 70.00 - —
l.c.l., 5 tons, works...ton. 73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .83 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 —
Ore, Cuban, 51-52%, basis Atl. ports, unit-ton. .71 Nom.
Resinate, fused, 3½%, bbls..ton. .08¼ - .08½
precip., dms.....lb. .12 —
Sulphate, anhyd, ton lots, works..lb. .10¼ —
single bbls., works.....lb. .10¾ —
fertilizer, 65%, MnSo4, bgs., c.l., dlvd., South..ton. 57.00 - —
l.c.l., bgs.....ton. 65.00 - 75.00
Mangrove bark, bgs., shipt...ton. 34.00 - —
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.80 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton. 12.00 - 14.00
Marjoram, French, No. 1.....lb. .58 - .59
Tunisan, bls.....lb. .33 Nom.
Chilean .....lb. .11 - .11½
Menthol, natural, Chinese, cs..lb. 3.90 - 4.00
Japanese, cs.....lb. 4.00 - 4.10
synthetic, USP, cs.....lb. 3.65 —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls..lb. 2.59 - —
USP, fib. dms., 50 lbs., or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.86 - 1.88
Mesityl oxide, cns., works.....lb. .20½ - —
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½ - —
tanks.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in...pkg. 1.50 - 1.75
composition, 5½x5½ in....pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in. pkg. 15.25 - 15.75
3⅜x3⅜ in.....pkg. 16.15 - 17.50
4x4 in.....pkg. 19.50 - 20.00
3⅜x5⅞ in.....pkg. 22.50 - 23.00
3⅜x5½ in.....pkg. 24.50 - 25.00
silver, 3⅜x3⅜ in.....pkg. 2.73 - 2.85
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs.....lb. .65 —
Metatoluylenediamine, kgs.....lb. .65 —
Methanol, natural, producer group A, denat., grade tanks...gal. .45 —
97%, tanks.....gal. .30 —
95%, tanks.....gal. .29 —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 8c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld. Zone 1..gal. .30 —
Zone 2.....gal. .32 —
Zone 3.....gal. .34 —
Zone 4.....gal. .34½ —
dms., c.l., Zone 1.....gal. .35½ —
Zone 2.....gal. .37½ —
Zone 3.....gal. .39½ —
Zone 4.....gal. .41½ —
producer-group B, pure, dms., l.c.l., Zone 1..gal. .38 —
Zone 2.....gal. .45½ —
Zone 3.....gal. .42 —
Zone 4.....gal. .53½ —

group B, 95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½ —
2, frt. alld.....gal. .37½ —
3, frt. alld.....gal. .39½ —
4, frt. alld.....gal. .41½ —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 —
2, frt. alld. or dlvd..gal. .45½ —
3, dlvd., S. F. and L. A., gal. .42 —
4, frt. alld. or dlvd..gal. .53½ —
tanks, Zone 1, frt. alld..gal. .30 —
2, frt. alld.....gal. .32 —
3, frt. alld.....gal. .34 —
4, frt. alld.....gal. .34½ —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, 97-99%, dms., c.l., E. of Miss. R..lb. .10½ —
W. of Miss. R.....lb. .11½ —
l.c.l., dms., E. of Miss. R..lb. .11 —
W. of Miss. R.....lb. .12 —
tanks, dlvd., E. of Miss. R., lb. .09½ —
W. of Miss. R.....lb. .10½ —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 —
W. of Miss. R.....lb. .08 —
l.c.l., dlvd., E. of Miss. R..lb. .07½ —
W. of Miss R.....lb. .08½ —
tanks, dlvd., E .of Miss. R., lb. .06 —
W. of Miss. R.....lb. .07 —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½ —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .32 —
dms., c.l., same basis..gal. .37½ —
l.c.l., same basis..gal. .40 —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B producers, tanks, Zone 1..gal. .32 —
Zone 2.....gal. .34 —
Zone 3.....gal. .36 —
Zone 4.....gal. .36½ —
dms., c.l., Zone 1.....gal. .37½ —
Zone 2.....gal. .39½ —
Zone 3.....gal. .41½ —
Zone 4.....gal. .43½ —
l.c.l., Zone 1.....gal. .40 —
Zone 2.....gal. .47½ —
Zone 3.....gal. .44 —
Zone 4.....gal. .55½ —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md. Mass. Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal. .34 —
Zone 2.....gal. .42 —
Zone 3.....gal. .45½ —
dms., c.l., Zone 1.....gal. .36 —
Zone 2.....gal. .44 —
Zone 3.....gal. .48 —
l.c.l., Zone 1.....gal. .37 —
Zone 2.....gal. .45½ —
Zone 3.....gal. .48½ —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 —
service men and consumers, cyl..lb. .36 —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 —
service men and consumers, cyl..lb. .40 —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 —
service men and consumers, lb. .35 —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 2.75 - 3.25
Formate, dms.....lb. .89 —
Lactate, dms., l.c.l., dlvd..lb. .80 —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 —
Methylamyl ketone, dms., works, l.c.l..lb. .25 —
smaller containers, same basis, lb. .28 —
Methylcellulose, dms., c.l., works, 2,000 lbs. or more, works, lb. .50 —
100 to 1,999 lbs., works...lb. .55 —
1 to 99 lbs., works.....lb. .60 —
Methylcyclohexane, 98-100%, dms., works..lb. .16 —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 —
cns., 5 lbs.....lb. 2.35 —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., l.c.l., same terms.....lb. .07 - .07½
tanks, same terms.....lb. .06 - .06½
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylhexyl ketone, dms., tech., works..lb. .60 —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 —
l.c.l., works.....gal. .80 —
smaller containers, works.gal. 1.00 —
tanks, works.....gal. .70 —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.50
imp., bots.....lb. 3.10 —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 —
l.c.l., same basis.....ton. 11.00 —
180 mesh, containers extra, c.l., same basis..ton. 11.00 —
l.c.l., same basis.....ton. 13.00 —
250 mesh, containers extra, c.l., same basis..ton. 12.00 —
l.c.l., same basis.....ton. 14.00 —
325 mesh, containers extra, c.l., same basis..ton. 15.00 —
l.c.l., same basis.....ton. 17.00 —
400 mesh, containers extra, c.l., same basis..ton. 17.50 —
l.c.l., same basis.....ton. 19.50 —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton. 30.00 —
l.c.l., 5,000 lbs., works, ton. 40.00 —
1,000 lbs., works..lb. .02 —
500 lbs., works..lb. .02½ —
100 lbs., works..lb. .03 —
refined, bgs., extra and returnable, c.l., works, ton. 20.00 —
l.c.l., 5,000 lbs., works, ton. 30.00 —
paint, bgs. extra and returnable, c.l., works..ton. 55.00 —
l.c.l., 5,000 lbs., works, ton. 65.00 —

Mica, dry, grd., white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¾- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —
Biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —
wet-ground mica prices are ½c. per pound higher west of Rockies.
powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l. lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .0250- .0280
early fortune, bgs.....lb. .02¼- .02¾
hulled, bgs.....lb. .06½- .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06¼- .06¾
Molybdate orange (see Orange, molybdate).
Molybdenum metal kgs., 99% powd..lb. 2.60 - 2.60
Trioxide, pure, kgs., basis Mo. content, works..lb. .85 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monoamylnaphthalene, l.c.l., dms., works..lb. .20 - —
Monobutylamine, dms., c.l., wks. lb. .50 - —
l.c.l., works.....lb. .53 - —
tanks, works.....lb. .45 - —
Monochlorobenzene, dms., l.c.l. lb. .08 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylaniline, dms .....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs..... ..oz. 9.00 - —
cns., 25 ozs.....oz 8.80 - —
Morpholine, dms., 55 gals., l.c.l. works..lb .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 2.00 Nom.
Musk, nat., Tonquin, grained, bots..oz.24.00 -26.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs., to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown. lb. .15¾- .16¼
yellow, bgs.....lb. .15½- .16
Chinese, yellow, bgs.....lb. .09¼- .09½
Danish, yellow.....lb. .23 - .24
Dutch, yellow, bgs.....lb. .21 - .22
English, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .11 - .11½
Roumanian, yellow.....lb. .15 - .15½
Myrobalans, J1, bgs., f.a.s...ton.45.00 - —
J2, bgs., f.a.s.....ton.36.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

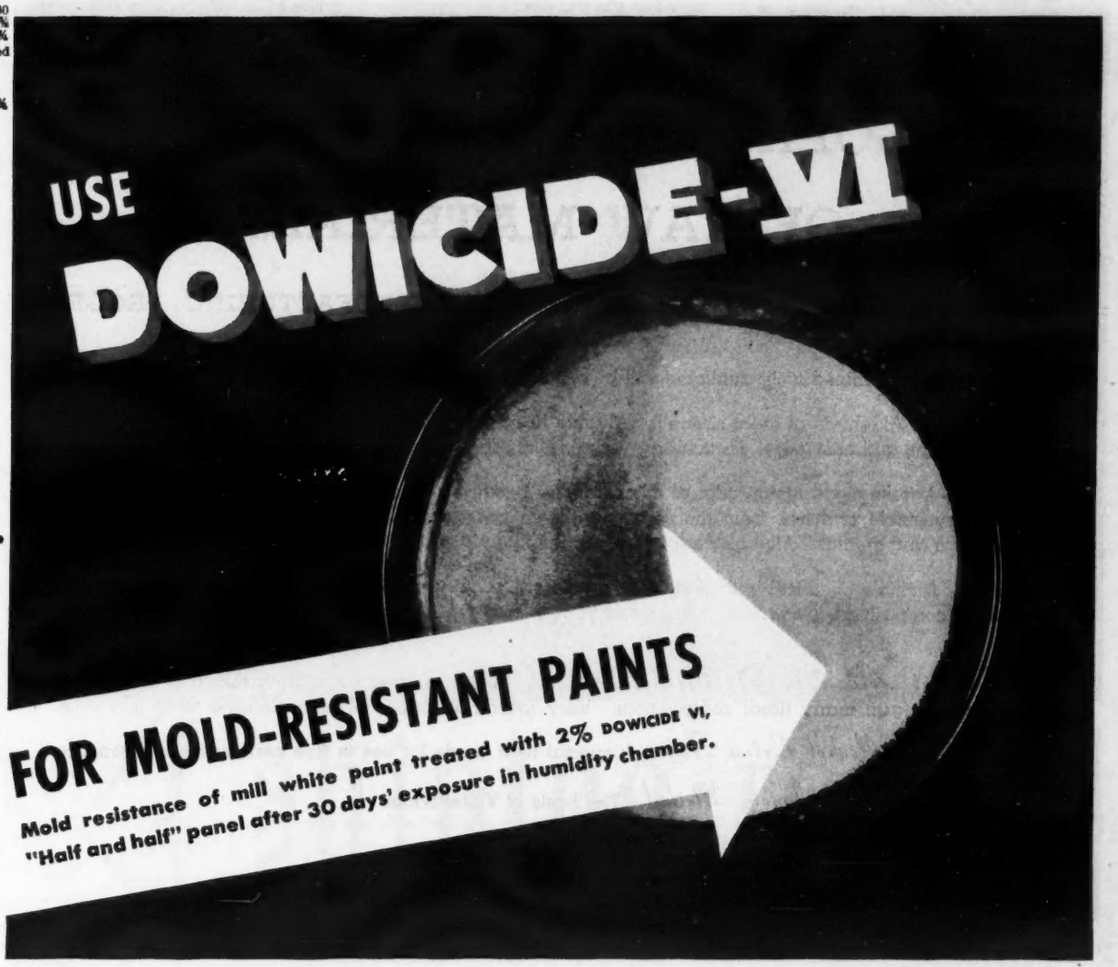
Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis.lb. .07½- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36¼
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86¼- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —

Nitrocellulose, alcohol-soluble, ⅛, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .23 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .20 - —
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.
Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., divd..unit-ton. 2.00 - —
f.o.b. Chemical, Ill., unit-ton. 2.00 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
Nitrogenous fertilizer material, import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., os....lb. .21 - .29
Chinese .....lb. .16 - .17
Extract (see Gall extract).
Nutmegs, E. I., 90s, bgs., cs..lb. .18 - .18½
110s, bgs., cs.....lb. .16 - .16½
small, grinding, bgs.....lb. .13½- .14
West Indian, bgs.....lb. .09¼- .09⅝
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12¼- —
l.c.l., G.3.....gal. .17 - —
tanks, G.2..... .gal. .16¼- —
Octanol, normal, tech., 360-lb. dms., divd..lb. .35 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 3.00 Nom.
s.p.a., bots.....lb. 2.85 - 3.00
sweet, true, exp., cns.....lb. 1.15 - 1.20
Amber, crude, cns.....lb. .38 - .40
ref'd, cns.....lb. 1.20 - 1.25
Amyris, cns.....lb. 3.00 - 3.25
Angelica, seed, bots.....lb.90.00 -100.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .95 - 1.00
Apricot, kernels, cns.....lb. .42 - .44
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 2.50 - 3.50
natural coppers.....lb.14.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .48 - .50
rect'fd., cns.....lb. 1.25 - 1.30
Bois de rose, Brazil, cns....lb. 1.95 - 2.00
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .65 - .70
USP IX, cns.....lb. .75 - .80
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrasy, cns...lb. .25 - .26
dms. .....lb. .22 - .23
white, cns.....lb. .25 - .26
dms. .....lb. .23 - .23
Cananga, native, cns.....lb. No stocks
rectified, cns.....lb. No stocks

Mica—Oil, Cananga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DOW

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN

Branch Sales Offices: New York City, St. Louis, Chicago, San Francisco, Los Angeles, Seattle

Oil, Capsicum—Oil, Spruce

Oil, capsicum (oleoresin), USP VIII, cns..lb. 3.50 - 3.75
Caraway, USP, cns.....lb. 7.00 Nom.
Cardamom, bots.....lb.16.00 -18.00
Cassia, USP, cs., dms.....lb. 1.90 - 1.95
Castor, blown, one-way dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12¾- —
cold pressed, USP, bbls., c.l., lb. .10¼- —
l.c.l. .....lb. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l..lb. .10 - —
l.c.l. .....lb. .10¾- —
(5-gal.), l.c.l.....lb. .13 - —
tanks .....lb. .09½- —
dehydrated, dms., c.l.....lb. .1320- —
l.c.l. .....lb. .1360- —
tanks .....lb. .12½- —
extracted No. 2, tech., bbls., c.l..lb. .09¾- —
l.c.l. .....lb. .10½- —
dms. (returnable), c.l....lb. .09½- —
l.c.l. .....lb. .10¼- —
tanks .....lb. .09 - —
sulphonated, 50% (43% fat), dms., c.l...lb. .06¼- —
l.c.l. .....lb. .07½- —
75% (63% fat), dms., c.l..lb. .09¼- —
l.c.l. .....lb. .10¼- —
80% (68% fat), dms., c.l...lb. .09¼- —
l.c.l. .....lb. .10½- —
Castor oil, USP, and No. 3, prices are divd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ½c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.
Cedarleaf, cs.....lb. .90 - .95
dms. .....lb. .85 - .90
Oil, cedarwood, Southeast, cns., lb. .26 - .27
dms .....lb. .24 - .25
Celery, bots.....lb.17.00 -18.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .27¾- —
tanks .....lb. .26¾- —
Cinnamon, Ceylon, bots.....lb. 9.75 -27.00
Citronella, Ceylon, cns.....lb. .40 - .41
dms. .....lb. .38 - .39
Java, cns, dms.....lb. .37 - .38
Clove, makers, USP, cns....lb. 1.15 - 1.20
dms. .....lb. 1.10 - 1.15
Coconut, Manila, crude, tanks, lb. .03½ Nom.
edible, 76°, dms. (returnable), c.l...lb. .08 - —
l.c.l. .....lb. .08½- —
tanks .....lb. .07¼ Nom.
Cod, Newf., bbls.....gal. .65 Nom.
Codliver, med., USP., bbls..bbl.67.00 -70.00
Coriander, bots.....lb.16.25 18.75
Corn, crude, tanks, wks.....lb. .06¾ Nom.
ref'd, bbls.....lb. .09¼ Nom.
Cottonseed, cooking, bbls....lb. .08 - —
salad, bbls.....lb. .08½- —
Creosote (see C).
Croton, N. F., cns.....lb. 2.50 - 2.75
Cubeb, USP, cns.....lb. 3.00 - 3.25
Crude (see Petroleum, crude).
Cumin, bots.....lb. 9.00 -10.00
Cypress, bots.....lb. 5.25 - 5.50
Degras (see D).
Dill seed, bots.....lb. 4.50 - 5.00
weed, bots.....lb. 5.50 - 5.75
Dip (see L).
Erigeron, cns.....lb. 2.20 - 2.30
Eucalyptus, cns.....lb. .65 - .67
dms. .....lb. .63 - .65
Fennel, sweet, cns.....lb. 2.00 - 2.10
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., lb.14.25 Nom
Oil, geranium, Bourbon, cns..lb.14.00 Nom.
Turkish (see Palmarosa).
Grapefruit, cns.....lb. 1.60 - 1.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 3.50 - 3.75
Haarlem, imp., bots.....gross No prices
Halibut liver, ref., dms....gal.40.00 - —
Hemlock, cns.....lb. .85 - .90
Juniper berry, USP XI, cns..lb. 9.00 Nom.
wood, tech., cns.....lb. .50 - —
Juniper tar, USP XI, cns....lb. .39 - .40
Lard, common.. 1, bbls.....lb. .08¼- —
2, bbls.....lb. .08 - —
extra, bbls.....lb. .08¾- —
1, bbls.....lb. .08½- —
Winter, strained, bbls....lb. .08⅞- —
prime, burning, bbls.....lb. .09½- —
prime, ined., bbls.....lb. .09¾- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 8.25 Nom.
38-42% ester, cns.....lb. 7.50 Nom.
35-38% ester, cns.....lb. 5.50 Nom.
30-32% ester, cns.....lb. 5.00 Nom.
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.40 - 1.50
dms. .....lb. 1.35 - 1.50
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 4.75 - 5.00
Terpeneless, Type 1.....lb.10.75 -17.00
Type 2.....lb. 8.50 -15.00
Lemongrass, native, cns., dms., lb. .80 - .85
Lime, dist., cns.....lb. 5.25 - 5.50
expressed, cns.....lb. 8.50 - 8.75
Terpeneless, Type 1.....lb.67.50 -75.00
Type 2.....lb.46.50 -50.00
Linaloe wood, cns.....lb. 1.75 - 2.00
Oil, linseed, raw, dms., c.l....lb. .0950- .0970
l.c.l., 10 to 69.....lb. .0980- .1000
5 to 9.....lb. .1010- —
less than 5.....lb. .1030- —
tanks .....lb. .0880- .0900
Boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots.....lb.85.00 - —
Lubricating, at refinery, ex tax California, neutrals, pale, 166-600 vis., 2½-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks, gal..... .07¼- .11¼
Group 3, bright stocks, 100-210 D,0-25 pour, tanks, gal. .13½- .19
neutrals, 150-400 vis., 3-3½, 0-10 pour, tanks, gal. .08 - .12
200-280 vis., 3, 15-25 pour, tanks..gal. .08 - .10
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks..gal. .14 - .16½
cylinder oils, 600-630 flash, tanks..gal. .09½- .12
600-650 steam ref'd, tanks..gal. .09 - .11
neutrals, 70° F., 3 color, 150 vis., 0-25 pour, tanks..gal. .19 .22½
200 vis., 0-25 pour, tanks..gal. .21 - .24½
Mace, dist., cns., dms.....lb. 2.35 - 2.40
Mandarin, superior, coppers..lb. 9.00 -10.00
Menhaden, crude, tanks, fut., Balto..gal. .37 Nom.
refd., alkali, dms.....lb. .0980- —
kettle-bodied, dms.....lb. .1080- —
light-pressed, dms.....lb. .0900- —
tanks .....lb. .0800- —
Mineral, white (see Oil, white mineral).
Mustard, artif., USP., bots., cns..lb. 1.50 - 1.60
dist., natural, bots.....lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls., lb. .15¼- —
extra, bbls.....lb. .08¾- —
1, bbls.....lb. .08½- —
prime, bbls.....lb. .09 - —
pure, bbls.....lb. .10¾- —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots.....lb. 200.00- 225.00
Nutmeg, dist., cns., dms....lb. 2.35 - 2.40
Oleo, 1, bbls.....lb. .07¾- —
2, bbls.....lb. .07¼- —
Olticica, dms.....lb. .17 - .17½
Olibanum, bots.....lb. 5.00 - 5.25
Olive, denat., dms.....gal. 2.25 Nom.
edible, dms.....gal. 3.25 Nom.
foots, dms.....lb. .10¾ Nom.
sulphonated, 50% (42% fat), dms., c.l..lb. .09¼- —
l.c.l. .....lb. .10½- —
75% (63% fat), dms., c.l..lb. .12½- —
l.c.l. .....lb. .13½- —
80% (68% fat), dms., c.l..lb. .127 - —
l.c.l. .....lb. .137 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms., lb. 1.50 - 1.60
Calif., cns.....lb. 2.25 - —
Florida, cns.....lb. 1.50 - 1.60
Messina, USP, coppers..lb. 8.00 Nom.
West Indies, cns.....lb. 2.30 - 2.40
terpeneless .....lb.42.00 -50.00
Origanum, cs.....lb. 1.05 - 1.45
Palm, Niger, dms.....lb. .04¼ Nom.
shipment .....lb. .03¼ Nom.
softs, 12¼%, talk, shipt..lb. .02¼ Nom.
Sumatra, shipt., bulk.....lb. .02¼ Nom.
Palmarosa, cns.....lb. 3.00 Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
350° flash, 70-80 vis., tanks, G. 3..gal. .08½- —
80-85 vis., bbls., extra, ind. refy..gal. .12 - —
350° flash, 100-105 vis., bbls., extra, ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .06¾- —
Patchouli, bots., cns.....lb. 4.75 - 5.25
Peanut, crude, dom., tanks..lb. .03¾ Nom.
refd., edible, bbls.....lb. .08½ Nom.
Pennyroyal, dom., cns.....lb. 2.00 Nom.
import, cns.....lb. 2.25 - 2.50
Peppermint, natural, cns., dms., lb. 3.80 - 4.05
redist., USP, cns., dms.....lb. 4.05 - 4.30
Perilla, dms.....lb. .18 - .18½
tanks .....lb. .17 - .17½
Petitgrain, Paraguay, 44-46% esters, cns..lb. 1.40 - 1.50
Pimento berry, cns.....lb. 4.25 - 7.25
leaf, cns.....lb. 2.50 - 2.75
Pine, dest.-dist., straw-color, dms., divd., E. ports..gal. .50 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns.....lb. 1.30 - 1.40
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, blown, dms.....lb. .17½- —
denat., bbls.....gal. .95 Nom.
Red, dist., or saponif., dms., divd..lb. .07¼- .08¼
tanks, divd.....lb. .06¾- —
Rose, artif., bots.....oz. 1.35 - 2.25
natural, coppers.....oz. 5.50 -22.50
Rosemary, Spanish, cns.....lb. .71 - .73
dms. .....lb. .62 - .64
Rosin, 1st rectfd., dms.....gal. .40 - —
2d rectfd., dms.....gal. .42 - —
3d rectfd., dms.....gal. .46 - —
Rue, bots.....lb. 5.25 - 6.00
Sage, cns.....lb. 3.50 - 3.75
Sandalwood, E.I. USP, cns..lb. 4.90 - 5.25
Mysore, cns., case lots.....lb. 5.50 - 5.75
Sardine, crude, fut., tanks, Pac. Cst..gal. .50 Nom.
refd., alkali, dms.....lb. .0980- —
kettle-bodied, dms.....lb. .1080- —
light-pressed, dms.....lb. .0900- —
tanks .....lb. .0800- —
Sassafras, artif., cns.....lb. .75 - —
dms. .....lb. .72 - —
natural, cns., dms.....lb. 1.00 - 1.25
Savin, cns.....lb. 6.75 - 7.00
Savory, cns.....lb. 3.75 Nom.
Shark liver, crude, dms..... million vitamin units. .04½- .09½
Sesame, crude, coast, tanks..lb. .07½ Nom.
Shingle stains, bbls., c.l., works, gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal. .14 - —
Snakeroot, Canada, cns.....lb. 9.50 -10.50
Soybean, dom., crude, dms...lb. .06¾- .07¼
tanks .....lb. .05¾- —
refd., dms.....lb. .07¾- .08¼
tanks .....lb. .06¾- .06½
Spearmint, dms.....lb. 2.75 - 3.00
Sperm, bleach, 38°, dms....lb. .1120- —
45°, dms.....lb. .1050- —
natural, dms.....lb. .1000- —
Spruce, cns., dms.....lb. .80 - .85

DEVELOPING OUR *Domestic Source* OF RAW MATERIALS

IS AN *Important* PHASE OF OUR MANUFACTURING PROGRAM

The products immediately available will be of considerable interest to the perfumer. Here are just a few:

Cyclamal An Aldehyde of great strength, valuable in most floral compositions. For the finest perfumes as well as in soaps and cosmetics. Particularly valuable in odors of the type of Lily of the Valley and Lilac.

Citronal A fresh clean lemon odor of interest today because of the shortage of Oil of Bergamot and Oil of Lemon. Very stable and free from the objectionable by-odors found in Citral. Produces a lasting lemon odor in soaps and creams. Also of great interest in the manufacture of fine Eau de Colognes.

Floranol A single chemical with a fruity rose note. Mild, very persistent, harmonizes the other ingredients in a perfect composition. Soap fast. Often used in Tea Rose type soap odors. Will not discolor in creams or soaps.

Phenyl Acet Aldehyde Di Methyl Acetal Enjoying great popularity. Fine rose leaf note makes it very interesting in many floral compositions. Very lasting in soaps. Gives a pleasing lift to any odor.

Phenyl Ethyl Alcohol Extra Fine A special high grade for use in fine perfumes and cosmetics.

Ionone Complete and Ionone Methyl The basis of Violet odors.

Indol Now first produced in this country.

Para Cresol Methyl Ether In Oil Ylang Ylang Artificial.

Para Cresol Ethyl Ether In Oil Ylang Ylang Artificial.

Ethyl Phenyl Glycidate A Pineapple Base.

Ethyl Phenyl Methyl Glycidate A Strawberry Base.

Hydratropic Aldehyde A Hyacinth aroma.

Di Methyl Acetal of Hydratropic Aldehyde Softer and more delicate than Hydratropic Aldehyde.

Product GL-4C A non-toxic wetting agent and detergent with excellent foaming qualities for liquid dentifrices, soapless shampoos, brushless shaving creams, etc.

The above products together with our already extensive list of American made aromatics enable the perfumer to create perfumes for soaps and cosmetics secure in the knowledge that his supply of raw materials will not be interrupted and that he can maintain a high standard for his finished product.

Aromatics Division

GENERAL DRUG COMPANY

644 PACIFIC ST., BROOKLYN, N. Y.
TRANSPORTATION BLDG., LOS ANGELES, CAL.

9 S. CLINTON ST., CHICAGO
1019 ELLIOTT ST., W., WINDSOR, ONT.

Oil, sweet, birch, North, cns.	lb.	2.25 - 2.65
South, cns.	lb.	1.55 - 1.70
Tall, crude, dms., c.l., works,	ton.	40.00 - —
l.c.l., works	ton.	45.00 -50.00
tanks, works	ton.	30.00 - —
distilled, dms., c.l., divd.	lb.	.05½ - .07
l.c.l., divd.	lb.	.06½ - .09¼
tanks, divd.	lb.	.05 - .06¾
refined, dms., c.l., works	lb.	.04 - —
l.c.l., works	lb.	.04½ - —
tanks, works	lb.	.03½ - —
Tallow, soidless, bbls	lb.	.08¼ - —
tanks	lb.	.07¾ - —
Tansy, cns.	lb.	4.25 - 4.60
Tar, pine, com'l, dms., c.l., divd. E. cities	gal.	.26 - —
E. ports, c.l.	gal.	.25 - —
l.c.l.	gal.	.27 - —
tanks, divd. E. cities	gal.	.20 - —
rectfd., USP, bbls., l.c.l., divd. E. ports	gal.	.55 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.17 Nom.
refined, dms.	lb.	.20 Nom.
Tea tree (see Oil, Ti tree).		
Thyme, NF, red, dms.	lb.	1.40 - 1.50
white, dms.	lb.	1.70 - 1.80
Tung (see Oil, Chinawood).		
Ti tree, cns.	lb.	2.30 - 2.60
Turkey red (see castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	7.00 - —
Vetiver, bots.	lb.	5.25 - 9.50
Whale, ref., natural, dms.	lb.	.0910- —
winter, bleach, dms.	lb.	.0950- —
Wheat germ, cns., dms.	gal.	17.50 -35.00
White, mineral, dom., tech., 50-60 vis., dms.	gal.	.31 - .38
65-75 vis, dms.	gal.	.33 - .40
80-90 vis., dms.	gal.	.34 - .41
80-90 vis., dms.	gal.	.36 - .43
U.S.P., 95-105 vis., dms.	gal.	.40½ - .47¼
125-135 vis., dms.	gal.	.46 - .53
140-150 vis., dms.	gal.	.49 - .55
175-185 vis., dms.	gal.	.53½ - .60½
200-210 vis., dms.	gal.	.56½ - .63¼
320-330 vis., dms.	gal.	.64 - .71
335-345 vis., dms.	gal.	.65 - .72
Russian, 80-90 vis., dms.	gal.	No prices
145-155 vis., dms.	gal.	No prices
175-185 vis., dms.	gal.	No prices
335-345 vis., dms.	gal.	No prices
Wintergreen, natural, North, cns.	lb.	4.35 - 5.00
South, cns.	lb.	3.05 - 3.75
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	2.70 - 2.80
Wormwood, cns.	lb.	4.50 - 4.75
Ylang-ylang, Bourb., bots., cns.,	lb.	7.00 Nom.
Manila, bots.	lb.	28.00 Nom.
Olivine, aggregate, c.l., mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
crushed, 8 mesh, bulk, c.l., works	ton.	8.00 - —
paper bags, c.l., works	ton.	9.50 - —
ground, 325 mesh c.l., mines,	ton.	20.00 - —
200 mesh, c.l., mines	ton.	17.00 - —
100 mesh, c.l., mines	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium, gum, USP, 50-lb. lots, cns.	lb.	13.50 - —
25-lb. lots, cns.	lb.	11.75 - —
5-lb. lots, cns.	lb.	12.00 - —
1-lb. lots, cns.	lb.	12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.		
Orange, Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11¼ - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¼ - —
Colo., Mont., N. M., Wyo.	lb.	.11¼ - —
Other points	lb.	.11 - —
smaller lots, divd., Ala., etc.	lb.	.11¾ - —
Ariz., etc.	lb.	.12¼ - —
Colo., Mont., N. M., Wyo.	lb.	.12 - —
Other points	lb.	.11¾ - —
French, Tours, casks, ex dock.	lb.	.13½ - —
kgs., ex dock	lb.	.14¾ - —
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.45 - .60
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.11 - .13
Orris root, Florentine, bgs.	lb.	.80 Nom.
fingers, cs.	lb.	1.50 Nom.
powd., bbls., bxs.	lb.	.85 Nom.
Verona, bls.	lb.	.75 Nom.
powd., bgs., cns.	lb.	.80 Nom.
Orthoamylphenol, l.c.l., dms., works	lb.	.15 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloraniiin, dms.	lb.	.80 - .75
Orthochlorophenol, dms.	lb.	.82 - —
Orthocresol, dms., c.l., works	lb.	.16 - —
l.c.l., same basis	lb.	.16½ - —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06 - —
l.c.l., same basis	lb.	.07 - —
100-lb. tins, same basis	lb.	.08 - —
50-lb. tins, same basis	lb.	.09 - —
tanks, same basis	lb.	.05½ - —
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.		
Orthonitroaniiin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .19
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.80 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange extract, cryst., bbls.	lb.	.21 - —
liquid, 42°, bbls.	lb.	.09 - —
51°, bbls.	lb.	.10 - —
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.65 - 4.00
Orthotoluene hydrochloride, dms.	lb.	.22 - —
Sulphonate, kgs.	lb.	2.00 - 2.05

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Papain, powd., cs.	lb.	1.40 - 1.45
Paprika, Algerian, bgs.	lb.	.33 - .34
Bulgarian, bgs.	lb.	.29½ - .30
Portuguense, fancy, bgs.	lb.	.31½ - .32
good, bgs.	lb.	.29½ - .30
Spanish, extra fancy, cs.	lb.	.38 - .39
medium, cs.	lb.	.36 - .37
Parachlorophenol, dms.	lb.	.22 - -
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 - .12
l.c.l.	lb.	.12¼ - .13¼
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l. Okla., refy.	lb.	.0275- .0280
bbls., c.l., N.Y.	lb.	.0275- .0280
Paraffin, crude, scale, 124-126 A.m.p., bgs., c.l., Okla. refy.	lb.	.0275- .0285
bbls., c.l., N.Y.	lb.	.0275- .0285
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.0275- —
fully refd., bgs., 123-125 A.m.p., bgs., c.l.	lb.	.0870- —
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0570- —
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0595- —
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0625- —
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0650- —
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0725- —
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0820- —
151-153 A.m.p., bgs., or loose, c.l.	lb.	.15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.		
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03½ - —
semi-refd., solid, 122-124 A.m.p., bgs.	lb.	.03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.23 - —
100 to 900 lbs. shipments, same basis	lb.	.24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.11¼ - —
5 and 10-gal. dms., works	lb.	.15 - —
USP, cs., cbys.	lb.	.37 - .45
Paranitrophenol, kgs.	lb.	.25 - —
Paranisidine, dms.	lb.	.75 - —
Paranitroaniiin, kgs., works	lb.	.45 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrotoluene, kgs.	lb.	.30 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.48 - —
Pareira brava root, bls.	lb.	.20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23 - .25
l.c.l., same basis	lb.	.24 - .26
Passion flower, herb, bls.	lb.	.06 - .07
Patchouli leaves, bls.	lb.	.28 - .30
Pellitory root, bls.	lb.	.30 - .32
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentachlorophenol, dms., works,	lb.	.20 - .25
Pentane, norm., 28-38°, dms., c.l., G.S.	gal.	.11½ - —
l.c.l., G.S.	gal.	.16 - —
tanks, G.S.	gal.	.07 - .08½
laboratory grade, dms., c.l., G.S.	gal.	.14 - —
l.c.l., G.S.	gal.	.25 - —
Pepper, black, Alleppy, bags.	lb.	.07¾ Nom.
Lampong, bags.	lb.	.0520- .0540
Tellicherry, bags.	lb.	.07½ Nom.
White, Java, Muntok, bags.	lb.	.09½ - .09½
Muntok, small berry, bags.	lb.	.08½ - .09
red, chillies, Japan, Hontaka	lb.	.19 - .19½
Mombassa, bgs.	lb.	.24½ - .25
Peppermint leaves, dom., bls.	lb.	.60 - .65
imports, bls.	lb.	.90 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1	lb.	.08 - —
l.c.l., same basis	lb.	.08½ - —
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½ - —
l.c.l., same basis	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½ - —
Perchlorethylene, Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 - —
l.c.l., same basis	lb.	.09½ - —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.70 - .75
Petrolatum, amber, dms., c.l.	lb.	.02¾ - —
c.l.	lb.	.03¾ - —
amber, extra, dms.	lb.	.03 - —
l.c.l.	lb.	.04 - —
white, cream, dms., c.l.	lb.	.04 - —
l.c.l.	lb.	.05½ - —
lily, dms., c.l.	lb.	.04¾ - —
l.c.l.	lb.	.06¼ - —
snow, dms., c.l.	lb.	.05½ - —
l.c.l.	lb.	.07½ - —
Petroleum, crude, bulk, at wells:—		
California	bbl.	.60 - 1.71
Canada	bbl.	1.70 - 2.10
Central West:—		
Illinois	bbl.	1.00 - 1.15
Lima	bbl.	.90 - —

A shining record

Crown makes the can...and the Franklin Research Company of Philadelphia makes the sales!

"Rubber Gloss Wax" is the product...and it has been building up distribution and sales in the face of the keenest kind of competition.

Whatever your packaging problem may be...consult Crown! A staff of designers, alert to modern packaging trends, is backed by an organization of real craftsmen...Crown Cans thus are made to protect your product and to promote your sales.

CROWN CAN COMPANY, PHILADELPHIA, PA.

Division of Crown Cork and Seal Company

BALTIMORE ST. LOUIS HOUSTON MADISON ORLANDO
FORT WAYNE NEBRASKA CITY

INDEPENDENT AND HELPFUL CROWN CAN

Petroleum—Red, Para Toner

Petroleum, crude, bulk, at wells, central west, Michigan..bbl. .02 - 1.23
Princeton ..bbl. 1.00 - —
East Texas..bbl. 1.10 - —
Gulf Coast..bbl. .86 - 1.20
Kentucky, Tennessee..bbl. .90 - 1.20
Louisiana, Arkansas..bbl. .55 - 1.25
Mexico ..bbl. No prices
Midcontinent:—
North Texas..bbl. .71 - 1.05
Oklahoma-Kansas..bbl. .58 - 1.10
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany..bbl. 2.80 - —
Corning ..bbl. 1.12 - —
N. Y. Transit lines..bbl. 2.50 - —
Eureka lines..bbl. 1.80 - —
S. W. Penn lines..bbl. 1.95 - —
Lower district in National Transit lines..bbl. 2.18 - 2.23
Rocky Mountains..bbl. .85 - 1.10
South Central and Southwestern Texas..bbl. .86 - 1.20
Texas Panhandle..bbl. .67 - .90
West Texas..bbl. .83 - .96
Ether, normal, tanks, G.S....gal. .09¾- —
dms., c.l., dlvd..gal. .26 - —
l.c.l., 5 or more, dlvd..gal. .29 - —
1-5, dlvd..gal. .88 - —
laboratory grade, dms., c.l., G.S..gal. .14½- —
l.c.l., G.S..gal. .25½- —
10-gal. lots, G.S..gal. .30½- —
Lacquer, diluent, at refinery:—
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
Willibridge, Ore., Port Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .09½- .10
Group 3, toluol type, tanks, gal. .06½- .07¾
benzol type, tanks....gal. .06½- .07¾
Mineral spirits, at refinery:—
California (f.o.b. San Francisco), 160-252 b.r., tanks, gal. .10½- —
196-290 b.r., tanks....gal. .10½- —
246-397 b.r., tanks....gal. .10½- —
312-403 b.r., tanks....gal. .09 - —
362-458 b.r., tanks....gal. .08 - —
East Coast, 43-47, tanks.gal. .0835- .09¼
47-49, tanks..gal. .10¼- —
Group 3, tanks..gal. .05 - .05½
tankwagon, tax included:—
Albany ..gal. .12½- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals..gal. .16 - —
Boston ..gal. .12½- —
Bound Brook, North Amboy, N. J..gal. .12½- —
Bridgeport, Conn....gal. .11½- —
Buffalo ..gal. .10½- —
Camden, N. J..gal. .10 - .11½
Chicago ..gal. .1670- —
Decatur ..gal. .1810- —
Des Moines..gal. .1790- —
Evansville, Ind..gal. .1420-.1530
Milwaukee ..gal. .1630- —
Minneapolis-St. Paul..gal. .10½- —
Newark ..gal. .09½- —
New York (200 gals)..gal. .09½- —
Omaha ..gal. .12½- —
Pittsburgh ..gal. .11½- .13½
Providence ..gal. .12 - —
Rochester ..gal. .12½- —
St. Louis..gal. .1470- —
Syracuse ..gal. .10½- —
Trenton ..gal. .10½- —
Wilmington, Del.....gal. .12½- —
Naphtha, cleaners', at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, tanks....gal. .09 - .10¼
Group 3, tanks..gal. .06½- .07
Gulf Coast (f.o.b. New Orleans), tanks...gal. .06½- —
tankwagon, Boston, ex tax, gal. .13½- —
Bridgeport ..gal. .13½- —
Chicago, inc. 4c. tax...gal. .13 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1880- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10¼- —
New York, ex tax.....gal. .10¼- —
Omaha, ex tax.....gal. .1490-.1590
Oklahoma City, ex tax.gal. .16¼- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .13½- —
Syracuse, 150 gals.....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
milk cans..gal. .21 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 90% arom., same basis..gal. .21 - —
3, same basis..gal. .22 - —
3, tanks, f.o.b. Paulsboro, N. J..gal. .16½- —
30, same basis..gal. .17½- —
40, same basis..gal. .17¾- —
V. M. & P., at refinery:—
California, 46.5, 254 l.b.p., 180 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond ....gal. .11½- —
Willibridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks....gal. .09 - .09¼
Group 3, tanks..gal. .06 - .07
Gulf Coast (dlvd. New Orleans), tanks....gal. .06½- —
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax...gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax...gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1570- —
Solvent, rubber at refinery, California (f.o.b. San Francisco), bbls..gal. .24 - —
East Coast, tanks....gal. .09¼- —
Group 3, light, 120 l.b.p., 250 ep., tanks..gal. .06 - .07
standard, 190 l.b.p., 288 e.p., tanks..gal. .06 - .07
Stoddard (CS 8-83), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, tanks....gal. .0836- .09¼
Group 3, tanks..gal. .05½- .06½
Petroleum, solvent, Stoddard, tankwagon, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1800- —
Des Moines, inc. 4c. tax.gal. .1840- —
Evansville, Ind., ex tax.gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1830- —
Newark, ex tax.....gal. .09¼- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .09¼- —
Omaha ..gal. .1860-.1460
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11¼
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.80 - —
25-lb. cns..lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12 - —
l.c.l., same basis.....lb. .13½- —
under 1,000 lbs.....lb. .15½- —
tanks, works.....lb. .11 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .95 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, 5lb. dms., 2,000-lb. lots, lb. .80 - —
100-lb. 5lb. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.50
Dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.90 - 3.00
Phenylethylphenyl acetate, bots., lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots., lb. 4.90 - —
hydrochloride, CP, bots., works, lb. 4.00 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.25 - —
land pebble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines, long ton. 2.15 - —
72% min., bulk, mines, long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines, long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases.....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .16 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons.lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .80
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Picni leaves, bgs.....lb. .10 - .11
Pilocarpine hydrochloride, bots., vls..oz. 3.75 - 4.00
Nitrate, bots., vls.....oz. 3.75 - 4.00
Pimento, Jamaican, bgs.....lb. .27 - .27½
Mexican, bgs.....lb. .12 - .12½
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l.....ton. 22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .06½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls.....lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Polyamyl naphthalene, l.c.l., dms., works..lb. .30 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .40½- .41½
Hungarian, bgs.....lb. No stocks
Roumanian, bgs.....lb. .37 - .38
Turkish, bgs.....lb. .38 - .39
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd....lb. .28 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .17 - —
kgs., 100 lbs.....lb. .19 - —
gran., bbls., 250 lbs.....lb. .17 - —
kgs., 100 lbs.....lb. .19 - —
Bichromate, spot, c.l., works..lb. .08¾- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
6lb. dms., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 88-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks.....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06½- —
l.c.l.....lb. .06¾- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09½- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz. 14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Potash, guaiacolsulphonate, 5lb., dms., 100-lb. lots..lb. 1.00 - 1.05
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.46 - —
Iodide, bbls., 250 lbs.....lb. 1.20 - —
bots., or cns.....lb. 1.29 - 1.35
dms.....lb. 1.20 - 1.25
Kainit, 20%, K_2O, bulk, ex vessel, Atlantic or Gulf ports.. ton. No prices
Manure salt, dom., min., 30%, K_2O, bulk, ex vessels, ports, unit-ton. .60 - —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Domestic manure salt prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above. Prices in bags are $2 per ton higher than bulk prices.
Potash, metabisulphite, kgs...lb. .19 Nom.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton. .53½- —
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port..unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.3c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.i.f. ports, ton. No prices
Perchlorate, kgs., works....lb. .09½- .11
Permanganate, tech., dms...lb. .19¼- .19¾
U.S.P., dms.....lb. .20 - .20¼
Prussiate, red., bbls.....lb. No prices
Yellow, bbls.....lb. .16 - .18
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .12 Nom.
100-lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls.....lb. .19 Nom.
100-lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90% K_2SO_4, ex-vessel, ports, ton. 34.25 - —
bulk, same basis.....ton. 34.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .13 - —
Potash-magnesia, sulphate, dom., bgs., 40%, K_2SO_4, ex-vessel, ports..ton. 27.00 - —
bulk, same basis.....ton. 25.00 - —
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns..lb. 8.00 - —
5-lb. cns.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .08¾- .04
Psyllium seed (see Pleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
O, O—½, O—¾, and ½, bbls., 3 or over, works..lb. No prices
less than 3, works.....lb. No prices
Ital.-grd., bgs., c.i., ship., ex dock, N.Y..ton. No prices
l.c.l., 5-29 tons, ex whse., ton. No prices
1,000-10,000 lbs., ex whse, ton. No prices
2 bgs. to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse..ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dm.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd., gal. 4.75 - 4.95
(30 to 1-, 3 grams pyrethins per 100 cc., dms., dlvd..gal. 7.20 - —
Pyrethrum flowers, coarse, grad. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .23 - .26
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .25 - .26
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports, unit-ton. No prices
Pyrocatechin, CP, cryst., works, 5lb. dms., tins..lb. 2.15 - 2.40
resublimed, 5lb. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines, ton. 9.00 - —
325 mesh, same basis.....ton. 12.00 - —
No 3, 200 mesh, c.l., mines, ton. 7.50 - —
325 mesh, same basis.....ton. 12.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .18 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04½- —
tanks, works.....lb. .03¾- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05½- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .06½- .05½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y., flask..174.00 -176.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask. 250.00- —
ex store.....flask. 262.00- —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.
Quinine, 100 cns., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .89 - —
Citrate, cns.....oz. .10 - —
Dihydrobromide, bots.....oz. .92 - —
Dihydrochloride, bots.....oz. .92 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .91 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .78 - —
Hydriodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 2.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .87 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .83 - —
Tartrate, cns.....oz. 1.05 - —
Valerate, cns.....oz. .99 - —

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .09 - .09¼
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs..lb. .06½- .07
medium, recleaned, bags...lb. .07¾- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .60 - .95
Red, alizarin lake, bbls., dlvd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.30
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. allid..lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
kgs., ton lots, same basis, lb. .85 - —
smaller lots, same basis, lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis, lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis, lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis, lb. .95 - —
Selenide, bbls., light, works..lb. 2.20 - —
maroon, works.....lb. 2.70 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire, toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis alizarin, lake, contracts..lb. .85 - —
open order.....lb. .80 - —
Rose lake, bbls.....lb. .20 - .28
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25% kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., dom., bbls, lb. 2.81 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .06½- —
l.c.l., works.....lb. .06¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .06¾- —
85% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —

Red, Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidine toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0295- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.12 3.17
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., 5lb., dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200 lb. dms., frt., allid., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lbs., dms., frt., allid., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram. 1.75 - 2.25
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .36½- —
smaller lots.....lb. .37 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .35½- —
smaller lots.....lb. .36 - —
Rose flowers, pale, bls.....lb. .42 - .48
red, bls.....lb. 3.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .11 - .12
Rosin, gum B, bbls., ex dock.. 100 lbs. 2.11 - —
D, bbls.....100 lbs. 2.20 - —
E, bbls.....100 lbs. 2.22 - —
F, bbls.....100 lbs. 2.22 - —
G, bbls.....100 lbs. 2.22 - —
H, bbls.....100 lbs. 2.23 - —
I, bbls.....100 lbs. 2.26 - —
K, bbls.....100 lbs. 2.45 - —
M, bbls.....100 lbs. 2.56 - —
N, bbls.....100 lbs. 2.66 - —
W. G., bbls.....100 lbs. 3.11 - —
W. W., bbls.....100 lbs. 3.31 - —
X, bbls.....100 lbs. 3.31 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines....ton.37.50 - —
import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.23.00 -24.00
Safrol, cns.....lb. .90 - —
dms.....lb. .85 - —
Sage, Dalmatian, garden, bls..lb. 1.40 Nom.
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.50 - 1.60
Greek, afloat, bls.....lb. .35 - .36
Spanish, bls.....lb. No stocks
Sago flour, bgs.....lb. .03¾- .04¼
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., 5lb., dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., divd., N.Y...ton.12.70 - —
l.c.l., bgs., divd., N.Y...ton.15.50 -16.10
vacuum, common, fine, bgs., c.l., divd., N.Y...ton.15.70 - —
l.c.l., divd., N.Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works. ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.16.50 Nom.
Chromo (see Chromo cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.00 - 9.00
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons..... 100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons.100 lbs. 8.00 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots...100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo.150.00 -155.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .28 - .30
Mexican, bls.....lb. .16 - .18
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bales.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .28½- —
smaller lots.....lb. .29 - —
kegs, 5,000 lbs., 1 shipm't..lb. .29 - —
smaller lots.....lb. .29½- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .18
Poda, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .60 - .65

Shellac, bleached, bonedry, bbls., f.o.b. N.Y....lb. .28 - .29
dlvd., Boston.....lb. .28½- .29½
Chicago .....lb. .28¾- .29¾
Pacific Coast.....lb. .31 - .32
rfd., bbls., f.o.b. N.Y....lb. .34 - .35
dlvd., Boston.....lb. .34½- .35½
Chicago .....lb. .34¾- .35¾
Pacific Coast.....lb. .37 - .38
Garnet, bgs.....lb. .21 - .22
D.C., V.S.O., or Diamond I, cs..lb. .27 - .28
Superfine, bgs., f.o.b. Host N. Y...lb. .21 - .22
dlvd., Chicago.....lb. .21½- .22½
Pacific Coast.....lb. .24 - .25
T.N., bgs., f.o.b. Bost., N Y lb. .20 - .21
dlvd., Chicago.....lb. .20½- .21⅞
Pacific Coast.....lb. .23½- .24
varnish, Metro, area, orange, 5-lb. cut, bbls..gal. 1.15 - 1.25
4½-lb. cut, bbls.....gal. 1.10 - 1.20
4-lb. cut, bbls.....gal. 1.05 - 1.15
white, 5-lb. cut, bbls.....gal. 1.25 - 1.35
4½-lb. cut, bbls.....gal. 1.20 - 1.30
4-lb. cut, bbls.....gal. 1.15 - 1.25
Prices drive, Boston or Chicago, 10c. per gal higher.
Silica amorph, dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works. ton.19.00 - —
smaller lots, works. ton.20.00 - —
wet-grd., 95-97%, 325 mesh. bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works. ton.21.00 -
smaller lots works ton.25.00 -
Silica, 95-97%, 400 mesh, bgs., c.l., works..ton.30.00 - —
l.c.l., 2½ tons, works. ton.33.00 - —
smaller lots, works.ton.38.00 - —
99-99%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, wks.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
amorphous, med. grd., 99% 325 mesh, l.c.l., 2½ tons, works..ton.25.50 - —
smaller lots ....ton.27.00 -
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50- —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works. ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal. oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
90 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .20¾- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12

Red, Persian—Soda, Arsenite

Slate flour, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .20 - .22
Smalt, black, extra velvet, cnts., lb. .06 - .50
Blue, cnts.....lb. .07 - .06¼
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb .10 - .11
crushed, bls, bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .19
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd. lb. .06¾- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
90%, dms., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works..lb. .29 - .70
Antimoniate, bbls., dlvd.....lb. .14 - .14½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06¼- —
l.c.l., dms., works.....lb. .07 - .07½
white, dms., c.l., dealers, works..lb. .07½- —
l.c.l., dms., works.....lb. .08 - .08½

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

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SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Soda Ash—Theobromine

Soda, ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.29 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works.....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.35 - —
bbls., l.c.l., Zone 1..100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zne 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .45 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works... 100 lbs. 1.95 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks., or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¾ - .12
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
38 deg., bbls., c.l., works.. 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works.. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Caseolyate, 1-kilo bots.....fb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works.....100 lbs. 2.70 - —
l.c.l., Zone 1.....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1.....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.80 - —

Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities...lb. .09¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20¼- —
25-lb. lots.....lb. .22¼- .23¼
kgs., 100-lb. lots.....lb. .19¼- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .23 - —
powd., bbls., 250-lb. lots..lb. .24¼- —
boxes, 50-lb. lots.....lb. .26¼- —
cns., 25-lb. lots.....lb. .28¼- —
kgs., 100-lb. lots.....lb. .25½- —
Soda cyanide, 96-98%, dom., dms. lb. .14 - .18
imports, 96%, cs.....lb. No price
Diacetate, 38-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis...lb. .08 - —
96%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .23 - .24
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., works, frt. equal'd..100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l. works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,600 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.35
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works...100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhydr., dms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. .2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.80 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment..ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 ton.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼

Soda nitrite l.c.l. prices range represents delivery at various points.

Orthosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.90 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¾- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs. bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - 5.40
l.c.l., works.....100 lbs. 6.10 - 6.35
bbls., c.l., works...100 lbs. 5.35 - 5.60
l.c.l., works.....100 lbs. 6.30 - 6.55
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - 2.20
l.c.l., works.....100 lbs. 2.50 - 2.60
bbls., c.l., works...100 lbs. 2.30 - 2.40
l.c.l., works.....100 lbs. 2.70 - 2.80
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....10 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - 2.35
l.c.l., works.....100 lbs. 2.65 - 2.75
bbls., c.l., works...100 lbs. 2.45 - 2.55
l.c.l., works.....100 lbs. 2.85 - 2.95
kegs, c.l., works...100 lbs. 2.95 - 3.05
l.c.l., works.....100 lbs. 3.35 - 3.45
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .95 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09¾- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd..100 lbs. 5.10 - —
l.c.l., same basis..100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l, same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
Soda, sesquicarbonate, bbls., l.c.l., Zone 1.....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 2.00 - —
10 dms. or over, dlvd. N.Y.C., 100 lbs. 4.00 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works.....100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works...100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.90 - —
Silicofluoride, dom., bbls.....lb. .09¾- .11
Stannate, dms.....lb. .33 - .36
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works...100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15

cryst. (see Glauber's salt).

Sulphide, cryst., bbls., c.l., works...100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs.3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.20 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms..lb. .27 - .31
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphohydrate, liquid, 25% basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works....lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41-44%, bgs...ton.30.20 - —
protein, bgs., c.l., works....lb. .11¼- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.00 - 3.25
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.90 - —
dlvd., N.Y.....100 lbs. 3.25 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.60 - —
dlvd., N.Y.....100 lbs. 3.35 - —
Potato, dom., bgs.....lb. .04½- .05½
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08¾
Sweetpotato, bgs.....lb. .06¾ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .35 - .40
Stearin, oleo, bbls.....lb. .06¾- .06¾
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .75 - .80
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 90-100%, precip., bbls., lb. .23 Nom.
Chloride, tech., bbls.....lb. .22 - .26
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs..lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, bgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Flowers, USP, bgs., c.l., mine, 100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine.....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Fleur, comm'l., bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
bbls., c.l., mine.....100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mine..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine....100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Sulphur, chloride, 55-gal. dms., c.l..lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07¼- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 43°, bbls.....lb. .06 - .06½
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .06 - .06½
poultry, Argentine.....lb. .0465- .0496
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis...ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, fob. Balto..unit-ton. .08 - —

T

Talc, dom., Calif., 1, bgs., c.l., mills...ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 98-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99¼%, 325 mesh., bgs., c.l., mills...ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
98-99½%, 325 mesh, bgs., l.c.l., ton.17.25 -19.25
99.85-99.95%, 325 mesh., bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills...ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs. ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .05 - —
special, loose.....lb. .04¾- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¾- —
50% (45% fat), dms., c.l..lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (48% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.40 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.35 & .10
high-grade, bulk, Chicago, unit-ton. 2.75 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 2.75 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .23 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.10 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .42¾- —
less than 5.....lb. .43 - —
USP, powd, bbls.....lb. .48 - —
Terebene, cns.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .24 - —
dms. .....lb. .28 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .08½
Tetrachlorocthylene, CP, dms..lb. .21½- —
tech. (see Perchlorocthylene).
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 88% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.50 - 3.00
Salicylate, cns.....lb. 2.15 Nom.
dms .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36

Thiamine hydrochloride, cns.gram. .80 - .92
Thiocarbanilide, ums.....lb. .24 -
Thorium, nitrate, cs., works...lb. 2.00 -
Thyme, French, bls.....lb. .60 - .62
Spanish, bls.....lb. .11½- .12
Thymol, dms., 100 lbs.....lb. 1.40 -
cns., 25 lbs.....lb. 1.45 - 1.50
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .47½- .48
Crystals, bbls., bgs.....lb. .38½- .39
Metal, Straits.....lb. .51¼- —
Oxide, bbls.....lb. No price
Tetrachloride, anhyd., bbls...lb. .26 - .26½
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .13½- —
l.c.l., 5 tons, single delivery. lb. .13¾- —
1,000-9,999 lbs.....lb. .14 - —
50-999 lbs.....lb. .14½- —
under 50 lbs.....lb. .16½- —
bbls., c.l. (20 tons).....lb. .13¾- —
l.c.l., 5 tons, single delivery. lb. .14 - —
1,000-9,999 lbs.....lb. .14¼- —
50-999 lbs.....lb. .14½- —
non-chalking, bgs., c.l., (20 tons)..lb. .15½- —
l.c.l., 5 tons, single delivery. lb. .15¾- —
1,000-9,999 lbs.....lb. .16 - —
50-999 lbs.....lb. .16¼- —
under 50 lbs.....lb. .18½- —
bbls., c.l. (20 tons).....lb. .15¾- —
l.c.l., 5 tons, single delivery. lb. .16 - —
1,000-9,999 lbs.....lb. .16¼- —
50-999 lbs.....lb. .16½- —
chalk-resistant, bgs., c.l., (20 tons)..lb. .14 - —
l.c.l., 5 tons, single delivery. lb. .14½- —
1,000-9,999 lbs.....lb. .14½- —
50-999 lbs.....lb. .14¾- —
under 50 lbs.....lb. .17 - —
bbls., c.l. (20 tons).....lb. .14½- —
l.c.l., 5 tons, single delivery. lb. .14½- —
1,000-9,999 lbs.....lb. .14¾- —
50-999 lbs.....lb. .15 - —
barium or magnesium base, bgs., c.l., (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
under 50 lbs.....lb. .06½- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
calcium base, bgs., c.l. (20 tons) lb. .05¼- —
l.c.l. .....lb. .05¾- —
under 50 lbs.....lb. .06¼- —
bbls., c.l. (20 tons).....lb. .05½- —
l.c.l. .....lb. .05¾- —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05¾- —
l.c.l. .....lb. .05¼- —
under 50 pounds.....lb. .06¼- —
bbls., c.l., (20 tons).....lb. .05½- —
l.c.l. .....lb. .05¾- —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. .85 - .90
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable. gal. .33½ - —
tanks, E. of Omaha, frt. alld. gal. .28½ - —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½ - —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, ckg..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works. lb. .27 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms..... works..lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd..lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07½ - —
tanks .....lb. .06½ - —
Trichlorethylene, dms., c.l., works., frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½ - —
Zone 2, dms., c.l., works, frt. alld..lb. .08½ - —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld. lb. .09 - —
l.c.l., same basis.....lb. .09½ - —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½ - —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:- Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I. Ill., Mich., Minn., Wis., Del.; Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N .M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., divd..lb. .40½- .51½
dms., c.l., divd.....lb. .34½- —
tech., dms.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .96½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., divd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., divd.....lb. .50 - —
Trimethylamine, dms., c.l., divd., lb. 1.00 - —
l.c.l., divd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .07¾- .08
Madras, bgs.....lb. .07¼- .07¾
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .45½- —
l.c.l., 10 ex dock.....gal. .47½- —
5 ex dock.....gal. .49½- —
wood, dest., dist., dms., c.l., divd. E. ports..gal. .35 - —
l.c.l. .....gal. .36 - —
tanks, divd. E. cities.....gal. .30 - —
steam-dist., dms., c.l., divd.gal. .37 - —
l.c.l., divd.....gal. .40 - —
tanks, divd.....gal. .32 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs.....lb. 2.85 - —
yellow, kgs .....lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Williamgton, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.85.00 - —
Urea, dom., 46%, bgs., smaller lots, f.o.b., Newark, New York, Philadelphia..ton.91.00 - —
Urea, dom., 46%, bgs., any quantity, f.o.b. Belle, W.Va..ton.85.00 - —
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No price
smaller lots, f.o.b. N. Y. whse..ton. No price
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports.ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. ton.121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports..ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .13

V

Valerian root, bls.....lb. Nominal
Valonia, beards, bgs., f.a.s...ton. No price
cups, bgs., f.a.s.....ton. No price
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.10.00 Nom.
Mexican, tins.....lb. 9.00 - 9.50
cuts, tins.....lb. 8.25 - 8.75
South American, tins.....lb. 9.00 Nom.
Tahiti, tins.....lb. 5.75 Nom.
Oleoresin, bots.....lb.No quotations
Vanillin, ex eugenol, 25-lb. tins. lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
Vanillin, ex guaiacol, 25-lb. tins. lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs.....lb. 1.25 - 1.30
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
dust .....lb. .10 -
Wattle bark, bgs., f.a.s.....ton.38.50 -40.50
Extract, solid, bgs.....lb. .04¼- .04¼
Wax, bayberry, import, bgs..lb. .19 - .20
Bees white, bleach, slabs, cs., lb. .38 - .40
cake, cs.....lb. .39 - .41
discs, cs.....lb. .40 - .42
yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs., 5-ton lots..lb. .31 - .32
1 ton.....lb. .31½- .32¼
500 lbs.....lb. .32 - .33
100 lbs.....lb. .32½- .33
refd., slabs, cs., lbs.....lb. .35 - .36

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TITANIUM PIGMENT CORPORATION

Sole Sales Agent

111 Broadway, New York, N. Y.; 104 South Michigan Avenue, Chicago, Illinois; National Lead Company (Pacific Coast Branch), 2240 24th Street, San Francisco, California.

TITANOX — THE WHEEL HORSE OF THE PAINT INDUSTRY — REG. U.S. PAT. OFF.

● *Cooperation in the solution of technical problems involving the use of TITANOX pigments is offered by our Paint Service Department.*

TITANOX TRADE MARK

Wax, candelilla, bgs., 1 ton...lb. .19½- .20
Jobbing lots.....lb. .20 - .20½
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .55 - .55½
5 bgs.....lb. .55½- .56
1 bg.....lb. .56 - .56½
N. C., 2, bgs., 1 ton.....lb. .62 - .63
N. C., 3, bgs., 1 ton.....lb. .58 - .58½
5 bgs.....lb. .58½- .59
1 bg.....lb. .59 - .59½
refined, bgs.....lb. .63 - .64
yellow, No. 1, bgs, ton....lb. .68 - .69
5 bgs.....lb. .68½- .69½
1 bg.....lb. .69 - .70
No. 2, bgs.....lb. .66 - .67
Ceresin, dom., 125°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton..lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15½
Japan, cs.....lb. .16½- .17
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works..ton. 18.00 -20.00
l.c.l., works.....ton. 18.00 -22.00
bbls., c.l., works.....ton. 19.00 -24.00
l.c.l., works.....ton. 21.00 -26.00
pap. bgs., c.l., works..ton. 15.00 -18.00
l.c.l., works.....ton. 17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton. 18.50 -22.50
l.c.l., works.....ton. 19.00 -23.00
bbls., c.l., works.....ton. 21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton. 18.00 - —
l.c.l., works.....ton. 19.00 - —
bbls., c.l., works.....ton. 20.00 -21.00
l.c.l., works.....ton. 21.00 -22.00
pap. bgs., c.l., works..ton. 17.00 -18.50
l.c.l., works.....ton. 18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton. 20.00 - —
l.c.l., works.....ton. 21.00 - —
bbls., c.l., works.....ton. 22.00 -23.00
l.c.l., works.....ton. 23.00 -24.00
pap. bgs., c.l., works..ton. 19.00 -20.50
l.c.l., works.....ton. 20.00 -21.00
Paris white, blp. bgs., c.l., works. ton. 19.00 - —
l.c.l., works.....ton. 20.00 - —
bbls., c.l., works.....ton. 22.00 -27.50
l.c.l., works.....ton. 23.00 -28.00
pap. bgs., c.l., works..ton. 19.00 -25.10
l.c.l., works..ton. 20.00 -26.50
limestone, air floated, 99.75%, 250 mesh, paper bags, c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
wet-grd., limestone, gilders, extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works..ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 8 tons, works....ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y...ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. 1.00 - 1.10

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld, gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .28 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld, gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld, gal. .32 - —
8°, dms., returnable, works..gal. .48 - —
tanks, E. of Omaha, frt alld, gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Yellow, cadmium, sulphide, orange, bbls., works..lb. .75 - —
Chrome, CP, bbls., dlvd., No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .1[illegible]
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .03½- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05½- —
yellow A, bbls., works....lb. .03½- —
B, bbls., works.....lb. .03½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01¾- —
French, all shades, cks., c.l., ex dock, Baltc. Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)...lb. .02½ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Baltc. Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle...lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Baltc, Boston, N. Orleans..lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis..lb. .03¾ Nom.
New York.....lb. .03 Nom.
Pittsburgh .....lb. .03½ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock. .02½ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y. lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .16 - —
open order.....lb. .16 - —
Navy specification type, contracts..lb. .16 - —
open order.....lb. .16 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthorisa), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, vis..oz. 3.00 - 3.50

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.00 - —
USP, 200-lb. dms.....lb. .26 - —
25-lb. jars.....lb. .31 - —
solution, 50%, dms., c.l., works..lb. .0290- —
l.c.l., works.....lb. .04 - .04½
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .05¼- —
l.c.l., bbls., dlvd.....lb. .05¾- —
Iodide, N. F., bots.....lb. 4.35 - —
jars.....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Meta (see daily quotations in Market report).
Oxide, pigment, dom., Amer. process, com'l., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
35%, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
50%, bgs., c.l., dlvd., except Pac. cst..lb. .06 - —
Pac. cst..lb. .0606- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd, except Pac. Cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¾- —
Zinc, oxide, pig., dom., French process, com'l, lead free, bgs., c.l., dlvd..lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs., c.l., dlvd., lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst...lb. .06½- —
bbls., c.l., dlvd...lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
red seal, bgs., c.l., dlvd.lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
white seal, bgs., c.l., dlvd..lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
bbls., c.l., dlvd...lb. .09 - —
bbls., c.l., dlvd., except Pac. cts..lb. .09¼- —
ex whse., Pac. cst..lb. .09¼- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse..lb. No prices
white, seal, cks., ex whse..lb. No prices
USP, bbls., c.l.....lb. .09¾- —
Palmitate, fused, pale, bbls..lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .25 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs..lb. .25 - —
USP, bbls.....lb. .23 - .26
Sulphate, cryst., bgs., c.l., 100 lbs. 3.00 - —
l.c.l. .....100 lbs. 3.75 - —
bbls., c.l.....100 lbs. 3.15 - —
l.c.l. .....100 lbs. 3.90 - —
flake, bgs., c.l.....100 lbs. 3.35 - —
l.c.l. .....100 lbs. 4.10 - —
bbls., c.l.....100 lbs. 3.50 - —
l.c.l. .....100 lbs. 4.25 - —
powd., bgs., c.l.....100 lbs. 4.70 - —
l.c.l. .....100 lbs. 5.45 - —
bbls., c.l.....100 lbs. 4.85 - —
l.c.l. .....100 lbs. 5.60 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08¼- —
barium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
calcium pigments, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05¾- —
Sulphocarbonate, NF, bbls., dms..lb. .24 - .30
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works...ton.75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.90 - 2.00

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

A

Abalyn (methyl abietate), c.l., dms., works..lb. .07 - —
l.c.l., lots of 10, dms., works.lb. .08 - —
single dms., works.....lb. .09 - —
5-gal. cans, works.....lb. .14 - —
Arocolors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works, lb. .19 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, alkyd resins, BR, 10022, bbls., 50,000 lbs., works lb. .23 - —
15,000 lbs., works.....lb. .24½- —
5,000 lbs., works.....lb. .29 - —
XR, 10024, bbls., 50,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
Bakelite, carbic anhydride, oil modified, BR, 13630, 50,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
14500, 50,000 lbs., works, lb. .26 - —
15,000 lbs., works.....lb. .26½- —
5,000 lbs., works.....lb. .27 - —
resin modified, BR, 15203, 30,000 lbs., works.....lb. .15 - —
15,000 lbs., works.....lb. .15½- —
5,000 lbs., works.....lb. .16 - —
dispersion resin, BK, 3962 dms., 30,000 lbs., works.....lb. .2400- —
15,000 lbs., works.....lb. .2540- —
5,000 lbs., works.....lb. .2590- —
Bakelite, XK, 6791, dms., 30,000 lbs., works..lb. .2540- —
15,000 lbs., works.....lb. .2590- —
5,000 lbs., works.....lb. .2640- —
14504, dms., 30,000 lbs., works.....lb. .28 - —
15,000 lbs., works.....lb. .28½- —
5,000 lbs., works.....lb. .29 - —
lacquer, BR, 2342, dms., 30,000 lbs., works..lb. .27 - —
15,000 lbs., works.....lb. .27½- —
5,000 lbs., works.....lb. .28 - —
XJ, 10433, dms., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
XR, 3180, dms., 30,000 lbs., lb. .16 - —
15,000 lbs., works.....lb. .45½- —
5,000 lbs., works.....lb. .46 - —
4357, dms., 30,000 lbs., works..lb. .43 - —
15,000 lbs., works.....lb. .43½- —
5,000 lbs., works.....lb. .44 - —
phenolic, 100%, BR, 354, bbls, 30,000 lbs., works..lb. .42 - —
15,000 lbs., works.....lb. .42½- —
5,000 lbs., works.....lb. .43 - —
3360, bbls., 30,000 lbs., works..lb. .36 - —
15,000 lbs., works.....lb. .36½- —
5,000 lbs., works.....lb. .37 - —
4036, bbls., 30,000 lbs., works..lb. .37 - —
15,000 lbs., works.....lb. .37½- —
5,000 lbs., works.....lb. .38 - —
6382, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works.....lb. .40½- —
5,000 lbs., works.....lb. .41 - —
8900, bbls., 30,000 lbs., works..lb. .39 - —
15,000 lbs., works.....lb. .39½- —
5,000 lbs., works.....lb. .40 - —
9432, bbls., 30,000 lbs., works..lb. .39 - —
15,000 lbs., works.....lb. .39½- —
5,000 lbs., works.....lb. .40 - —
9434, bbls., 30,000 lbs., works..lb. .20 - —
15,000 lbs., works.....lb. .20½- —
5,000 lbs., works.....lb. .21 - —
10282, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works.....lb. .32½- —
5,000 lbs., works.....lb. .33 - —
15468, bbls., 30,000 lbs., works..lb. .19½- —
15,000 lbs., works.....lb. .20½- —
5,000 lbs., works.....lb. .20½- —
14884, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
XR, 9517, bbls., 30,000 lbs., works..lb. .29 - —
15,000 lbs., works.....lb. .29½- —
5,000 lbs., works.....lb. .30 - —
modified oil, BR, 302, bbls., 30,000 lbs., works..lb. .2870- —
15,000 lbs., works.....lb. .2926- —
5,000 lbs., works.....lb. .2976- —
2175, bbls., 30,000 lbs., works..lb. .2810- —
15,000 lbs., works.....lb. .2860- —
5,000 lbs., works.....lb. .2910- —
resin, BR, 2072, bbls, 30,000 lbs., works..lb. .23 - —
15,000 lbs., works.....lb. .23½- —
5,000 lbs., works.....lb. .24 - —
2903, bbls., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
9396, bbls., 30,000 lbs., works..lb. .15½- —
15,000 lbs., works.....lb. .19 - —
5,000 lbs., works.....lb. .19½- —
11504, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
11544, bbls., 30,000 lbs., works..lb. .18 - —
15,000 lbs., works.....lb. .18½- —
5,000 lbs., works.....lb. .19 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .1970- —
15,000 lbs., works.....lb. .2020- —
5,000 lbs., works.....lb. .2070- —
2681, dms., 30,000 lbs., works..lb. .2820- —
15,000 lbs., works.....lb. .2870- —
5,000 lbs., works.....lb. .2920- —
13574, bbls., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
Beckacite, modified phenolic, 3100, dms., 1-9, frt. pd..lb. .14½- —
1101, dms., 1-9, frt. pd....lb. .12 - —
1102, dms., 1-9, frt. pd....lb. .12½- —
1106, dms., 1-9, frt. pd....lb. .14 - —
1107, dms., 1-9, frt. pd....lb. .13 - —
1108, dms., 1-9 frt. pd....lb. .11 - —
1112, dms., 1-9, frt. pd....lb. .14½- —
1113, dms., 1-9, frt. pd....lb. .12 - —
1116, dms., 1-9, frt. pd....lb. .14½- —
P-146, dms., 1-9, frt. pd....lb. .11½- —
P-147, dms., 1-9, frt. pd....lb. .12 - —
1121, dms., 1-9, frt. pd....lb. .17½- —
1122, dms., 1-9, frt. pd....lb. .14½- —
1123, dms., 1-9, frt. pd....lb. .14½- —
1124, dms., 1-9 frt. pd....lb. .15½- —
nonphenolic, 1110, dms., 1-9, frt. pd..lb. .14 - —
1111, dms., 1-9, frt. pd....lb. .14 - —
1114, dms., 1-9, frt. pd....lb. .14 - —
1120, dms., 1-9, frt. pd....lb. .14 - —

Beckacite prices in lots of 10 dms., or more are ½c. per lb. less than above; in carloads, 1c. per lb. less. Those prices apply in N. E. and Mid-Atl. States, Ill., Ind., Ky., Mich., Minn., N. C., Ohio, Va., W. Va., Wis., and St. Louis, Mo.; add ¾c. per lb. on less than carloads and ½c. per lb. on carloads to Ariz., Iowa, Kan., Mo. (except St. Louis), Neb., N. D., Okla., S. D., all South, States, and Dallas and Houston, Tex.; for Calif. add ¾c. per lb. on less than carloads and ½c. per lb. on carloads of regular items covered by contract, on items not shown in this list and items not covered by contract which must be shipped direct from Detroit, Mich., or Elizabeth, N. J., add 2c. per lb. on less than carloads and 1c. per lb. on carloads; carload prices listed above apply on shipments by water from Elizabeth, N. J., ex dock at Los Angeles, San Francisco, or Seattle; add 2c. per lb. on less than carloads and 1c. per lb. on carloads to Tex. (except Dallas and Houston) and all other points in the U. S. not mentioned in the foregoing.

Beckamine, 3440, ex. lt., dms., 1-9, frt. pd..lb. .22½- —
P-9, dms., 1-9, frt. pd.....lb. .12 - —
P-188, dms., 1-9, frt. pd.....lb. .21½- —
P-195, dms., 1-9, frt. pd.....lb. .24 - —
P-198, dms., 1-9, frt. pd.....lb. .16 - —

Beckamine prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

NEVILLE

COSOL*

for use in

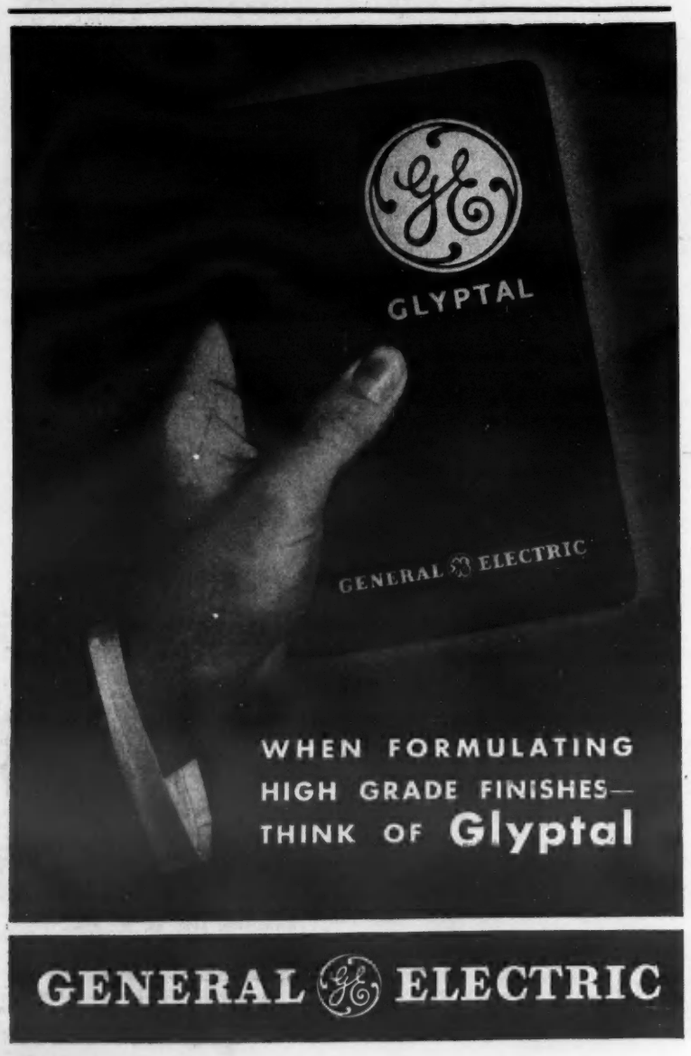
Wire Enamels, Inks, Synthetic Enamels, and wherever powerful slow-evaporating solvents are required

COSOL is furnished in three high boiling grades:—160-235°C, 165-250°C, 200-255°C. Each is slow-evaporating, practically water-white, mild and pleasant in odor, fully refined and does not contain naphthalene or tar acids. In addition to high boiling range, COSOLS have high solvent power and high flash point, with exceptionally low distillation residue.

Write us at once for samples of the COSOLS best suited to your needs.

*Reg. U. S. Pat. Off. 2

THE NEVILLE COMPANY
PITTSBURGH • PA.



Beckolin—Lewisol

Beckolin, No. 17, dark, dms., 1-9, frt. pd..lb. .16½- —
No. 27, light, dms., 1-9, frt. pd., lb. .18½- —

Beckolin prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckopol, 1400, dms., 1-9, frt. pd..lb. .17½- —

Beckopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

Beckosol, emulsion, 1500, dms., 1-9, frt. pd..lb. .11½- —
1501, dms., 1-9, frt. pd....lb. .12½- —
Solid, 1, dms., 1-9, frt. pd..lb. .27 - —
3, dms., 1-9, frt, pd.....lb. .23 - —
7, dms., 1-9, frt. pd.....lb. .23 - —
13, dms., 1-9, frt. pd.....lb. .23 - —
18, dms., 1-9, frt. pd.....lb. .23 - —
19, dms., 1-9, frt. pd.....lb. .23 - —
24, dms., 1-9, frt. pd.....lb. .31 - —
31, dms., 1-9, frt. pd.....lb. .23 - —
32, dms., 1-9, frt. pd.....lb. .22 - —
40, dms., 1-9, frt. pd.....lb. .19 - —
Solution, nonphenolic, 1309, dms., 1-9, frt. pd..lb. .13½- —
1319, dms., 1-9, frt. pd..lb. .19½- —
1321, dms., 1-9, frt. pd..lb. .17½- —
1940, dms., 1-9, frt. pd..lb. .09½- —
1941, dms., 1-9, frt. pd..lb. .09½- —
P-238, dms., 1-9, frt. pd..lb. .18½- —
wrintex, dms., 1-9, frt. pd. lb. .16 - —
phenol modified, 1303, dms., 1-9, frt. pd..lb. .13½- —
1304, dms., 1-9, frt. pd..lb. .13½- —
1320, dms., 1-9, frt. pd..lb. .14 - —
1325, dms., 1-9, frt. pd..lb. .13 - —
1328, dms., 1-9, frt. pd..lb. .12 - —
1329, dms., 1-9, frt. pd..lb. .12 - —
phenol modified and oil extended, 1, dms., 1-9, frt. pd..lb. .14½- —
2, dms, 1-9, frt. pd.....lb. .14 - —
1316, dms., 1-9, frt. pd..lb. .15½- —
1326, dms., 1-9, frt. pd..lb. .15 - —
P-239, dms., 1-9, frt. pd..lb. .11½- —
phenol, pure, alkyd, 1306, dms., 1-9, frt. pd..lb. .12½- —
1307, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1308, dms., 1-9, frt. pd..lb. .14½- —
1313, ex. lt., dms., 1-9, frt. pd..lb. .13½- —
light, dms., 1-9, frt. pd.lb. .12½- —
1318, dms., 1-9, frt. pd..lb. .17½- —
1323, ex. lt., dms., 1-9, frt. pd..lb. .14½- —
light, dms., 1-9, frt. pd.lb. .13½- —
1324, dms., 1-9, frt. pd..lb. .25½- —
1331, dms., 1-9, frt. pd..lb. .12½- —
1332, dms., 1-9, frt. pd..lb. .12 - —
1333, dms., 1-9, frt. pd..lb. .15½- —
1334, dms., 1-9, frt. pd..lb. .13½- —
P-7, dms., 1-9, frt. pd..lb. .14½- —
P-18, dms., 1-9, frt. pd..lb. .12½- —
P-94, dms., 1-9, frt. pd..lb. .16½- —
P-236, dms., 1-9, frt. pd.lb. .13 - —
P-270, dms., 1-9, frt. pd..lb. .13½- —

Beckosol, solid, prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1½c. per lb. less; prices of other Beckosols are ½c. per lb. less in lots of 10 dms. or more, 1c. per lb. less in carloads; all are subject to the same geographical differentials as Beckacite.

C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04½- —
EX, dms., gross weight, works, lb. .04½- —
FX, dms., gross weight, works, lb. .05 - —
MH col. 1, dms, works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½-3½, dms., works.....lb. .09 - —
9, dms, works.....lb. .06 - —
M.S., dms., works.....lb. .10 - —
P, 10°-90° C., col. 2½ and darker, dms., works..lb. .10 - —
RH, dms., works.....lb. .10 - —
R.S., dms., works.....lb. .10 - —
Special soft, dms., works....lb. .10 - —
V, col. ½, dms., works.....lb. .12 - —
1 dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W. col., ½, dms., works..lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices includes frt. equald., with Pittsburgh; prices on contracts are ¼c. per pound lower.

D

Durite, 1,301, pale, one drum and over..lb. .25 - —
smaller lots.....lb. .26 - —
1,321, c.l.....lb. .40 - —
2,000 lbs. to c.l.....lb. .41 - —
smaller lots.....lb. .42 - —

All Durite prices are f.o.b. Phila., Pa., with freight allowed east of Rocky Mts.

E

Esterol, solid, Grade A, c.l., dlvd. lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms., or less, dlvd....lb. .23½- —
B, c.l., dlvd. .....lb. .21½- —
10 dms. or more, dlvd....lb. .22¾- —
9 dms., or less, dlvd....lb. .23 - —
D, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
H-1, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms., or less, dlvd....lb. .23½- —
PV, c.l., dlvd.....lb. .21½- —
10 dms. or more, dlvd....lb. .22¼- —
9 dms. or less, dlvd....lb. .23 - —
1-L, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
675, c.l., dlvd.....lb. .23 - —
10 dms. or more, dlvd....lb. .23¾- —
9 dms. or less, dlvd....lb. .24½- —
701, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
750, c.l., dlvd.....lb. .21 - —
10 dms. or more, dlvd....lb. .21¾- —
9 dms., or less, dlvd....lb. .22½- —
809, c.l., dlvd.....lb. .22 - —
10 dms. or more, dlvd....lb. .22¾- —
9 dms. or less, dlvd....lb. .23½- —
830, c.l., dlvd.....lb. .22¼- —
10 dms. or more, dlvd....lb. .23¼- —
9 dms. or less, dlvd....lb. .24 - —
Solution, Grade A, c.l., dlvd..lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd.....lb .14 - —
Esterol, solut., B, c.l., dlvd...lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd.....lb. .12¾- —
D, c.l., dlvd.....lb. .11¾- —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd.....lb. .12¾- —
E, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd.....lb. .15 - —
H-1, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd.....lb. .16 - —
PV, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
1-L, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd.....lb. .14 - —
562, c.l., dlvd.....lb. .13 - —
10 dms. or more, dlvd....lb. .13½- —
9 dms. or less, dlvd.....lb. .14 - —
575, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
640-N, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd.....lb. .13 - —
660-N, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd.....lb. .11½- —
701, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12½- —
9 dms. or less, dlvd.....lb. .13 - —
747, c.l., dlvd.....lb. .11¼- —
10 dms. or more, dlvd....lb. .11¾- —
9 dms. or less, dlvd.....lb. .12¼- —
750, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
809, c.l., dlvd.....lb. .12 - —
10 dms. or more, dlvd....lb. .12¼- —
9 dms. or less, dlvd.....lb. .13 - —
830, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
1800, c.l., dlvd.....lb. .12¼- —
10 dms. or more, dlvd....lb. .12¾- —
9 dms. or less, dlvd.....lb. .13¼- —
1823, c.l., dlvd.....lb. .14 - —
10 dms. or more, dlvd....lb. .14½- —
9 dms. or less, dlvd.....lb. .15 - —
2185, c.l., dlvd.....lb. .10½- —
10 dms. or more, dlvd....lb. .11 - —
9 dms. or less, dlvd.....lb. .11½- —
2193, c.l., dlvd.....lb. .13½- —
10 dms. or more, dlvd....lb. .14 - —
9 dms. or less, dlvd.....lb. .14½- —
2633, c.l., dlvd.....lb. .11 - —
10 dms. or more, dlvd....lb. .11½- —
9 dms. or less, dlvd.....lb. .12 - —
2600, c.l., dlvd.....lb. .15 - —
10 dms. or more, dlvd....lb. .15½- —
9 dms. or less, dlvd.....lb. .16 - —

G

G, resin, dms., gross weight, works..lb. .07½- —

G resin prices on contracts terminating Dec., 1941, are ¼c., per pound lower; Los Angeles and San Francisco ex warehouse, 3c. per pound extra.

2633, c.l., dlvd.....lb. .11¼- —
Guai-a-phene, 10-gal. cns., works, gal. 2.07 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.59 - —

H

Hercolyn (hydrogenated methyl abietate), dms., c.l., works, lb. .11 - —
l.c.l., lots of 10, works.....lb. .12 - —
single dms., works.....lb. .13 - —
cns., works.....lb. .16 - —
Hydrogum, P-190, c.l., dms., frt. pd..lb. .12 - —
l.c.l., 10 dms., frt. pd.....lb. .12¼- —
1-9 dms., frt. pd.....lb. .13 - —

Hydrogum prices are subject to the same geographical differentials as Beckacite.

J

Jozite (see zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black or red label, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd. E. of Rockies..lb. .06¾- —
Pac. coast, ex whse.....lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd. E. of Rockies..lb. .07 - —
Pac. coast, ex whse.....lb. .07 - —
No. 25, bgs., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd. E. of Rockies, lb. .08 - —
Pac. coast, ex whse.....lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd. E. of Rockies, lb. .08¼- —
Pac. coast, ex whse....lb. .08¼- —
Katalised oil, 666, dms., c.l., frt. pd..lb. .23½- —
l.c.l., frt. pd.....lb. .23 - —

Katalised oil prices are subject to the same geographical differentials as Beckacite.

Kopol, 500, dms., 1-9, frt. pd..lb. .18½- —
501, dms., 1-9, frt. pd.....lb. .16½- —
502, dms., 1-9, frt. pd.....lb. .15 - —

Kopol prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less; subject to same geographical differentials as Beckacite.

R-C copal, cracked nut, dms., c.l., frt. pd..lb. .12 - —
l.c.l., frt. pd.....lb. .12½- —

R-C copal prices are subject to the same geographical differentials as Beckacite.

L

Lewisol resin, modified alkyd, No. 1 c.l., dlvd..lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 2, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 2L, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 3, c.l., dlvd.....lb. .16½- —
l.c.l., 10 dms., dlvd.....lb. .17½- —
1-9 dms., dlvd.....lb. .18½- —
No. 18, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 24, c.l., dlvd.....lb. .13 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .13½- —
smaller quantities, dlvd.lb. .14 - —
No. 28, c.l., dlvd.....lb. .13 - —
l.c.l., dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —
No. 33, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —

Lewisol, modified phenolics, No. 101, c.l., dlvd..lb. .17½- —
l.c.l., 5 dms., dlvd.....lb. .18 - —
1-7 dms., dlvd.....lb. .18½- —
No. 115, c.l., dlvd.....lb. .10½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11 - —
smaller quantities, dlvd.lb. .11½- —
No. 120, c.l., dlvd.....lb. .12 - —
l.c.l., 10 bbls. or 5 dms., dlvd..lb. .12½- —
smaller quantities, dlvd.lb. .13 - —
No. 125, c.l., dlvd.....lb. .11 - —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .11½- —
smaller quantities, dlvd.lb. .12 - —
No. 150, c.l., dlvd.....lb. .13½- —
l.c.l., 10 bbls. or 8 dms., dlvd..lb. .14 - —
smaller quantities, dlvd.lb. .14½- —
No. 300, c.l., dlvd.....lb. .30 - —
l.c.l., 8 dms., dlvd.....lb. .30½- —
1-7 dms., dlvd.....lb. .31 - —
No. 305, c.l., dlvd.....lb. .11 - —
l.c.l., 8 dms., dlvd.....lb. .11½- —
1-7 dms., dlvd.....lb. .12 - —
No. 310, c.l., dlvd.....lb. .13½- —
l.c.l., 8 dms., dlvd.....lb. .14 - —
1-7 dms., dlvd.....lb. .14½- —
No. 320, c.l., dlvd.....lb. .13 - —
l.c.l., 8 dms., dlvd.....lb. .13½- —
1-7 dms., dlvd.....lb. .14 - —

N

Neo-Fat drying oil, 17 T.G., dms., c.l., dlvd..lb. .10¼- —
19 T.G., dms., c.l., dlvd....lb. .15½- —
19 T.G. boiled, dms., c.l., dlvd..lb. .16⅝- —
fatty acids, 3R, dms., c.l., dlvd. lb. .08¾- —
17, dms., c.l., dlvd.....lb. .09 - —
19, dms., c.l., dlvd.....lb. .13½- —
23, dms., c.l., dlvd.....lb. .09½- —
Neo-fat prices are ½c. per lb. higher in Texas, ¾c. higher on Pacific Coast.
Nevillac, pale, hard, dms., works, lb. .13 - —
hard, 85-95° C, dms., works..lb. .11 - —
soft, 65-75°C, dms., works..lb. .11 - —
Nevillac prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.
Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col. 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col. 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms., works..lb. .12 - —
R-8, N.P.S., col. 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works..lb. .12 - —
R-10, hard, col. 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½-3½, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2 dms., works..lb. .10 - —
R-16, medium, col. 2½-4, dms., works..lb. .09 - —
R-16-A, medium, col. 7-10, dms., works..lb. .08 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½-8, dms., works..lb. .10 - —
465, 110-126° C., dms., gross weight, f.o.b. Pittsburgh..lb. .08 - —
Modified polystyrene, LX-228, 90-110° C., col. 3-3½, dms.lb. .45 - —
LX-229, 125-140° C., col. 3-4, dms..lb. .35 - —
LX-230, 125-140° C., col. 2-3, dms..lb. 1.10 - —
LX-231, 145-160° C., col. 2-3, dms..lb. .90 - —
Neville resin prices, except 465 resin, are freight equalized with Phila.; prices on contracts terminating Dec., 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra. Modified polystyrene resins are 5c. per lb. additional for less than full drum shipments and are f.o.b. Neville Island, Pa.
Nevillite, "V," water-white, 100-lb. dms., works..lb. 1.25 - —
No. 4, very light straw, 100-lb. dms., works..lb. .42 - —
No. 123, water-white, 100-lb. dms., works..lb. .50 - —
oil, dms., works.....lb. 1.40 - —
Nevinol, dms. works.....lb. .13 - —
oil, heavy, rfd., dms., works, lb. .10 - —
Notol, tanks, f.o.b. Pittsburgh, gal. .28 - —
dms., returnable.....gal. .28 - —
Nuba, 1, 80-95°C., dms., gross weight, works..lb. .0265- —
2, 100-125°C., dms., gross weight, works..lb. .0265- —
3x, 135-150°C., dms., gross weight, works..lb. .04 - —
Nuba resin prices on contracts terminating December, 1941, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per pound extra.
Nuodex drier, cobalt, 6%, 400-lb. pkgs..lb. .28½- —
11½%, 100-lb. pkgs.....lb. .52 - —
cobalt acetate, 100-lb. pkgs., lb. .80½- —
iron, 6%, 400-lb. pkgs.....lb. .13½- —
11%, 100-lb. pkgs.....lb. .23 - —
lead, 24%, 450-lb. pkgs.....lb. .12½- .13½
32%, 450-lb. pkgs.....lb. .16 - —
34%, 100-lb. pkgs.....lb. .16¾- —
40%, 100-lb. pkgs.....lb. .19¾- —
lead 30%, cobalt 3%, 150-lb. pkgs..lb. .28¼- —
lead 30%, manganese 3%, 150-lb. pkgs..lb. .21 - —
manganese, 6%, 400-lb. pkgs..lb. .13 - .14
10½%, 100-lb. pkgs.....lb. .21¾- —
zinc, 8%, 400-lb. pkgs.....lb. .14 - —
10%, 400-lb. pkgs.....lb. .17 - —
14%, 100-lb. pkgs.....lb. .23¼- —
Nuodite, cobalt, 18%, 100-lb. pkgs., lb. .71½- —
lead, 64%, 100-lb. pkgs.....lb. .23 - —
manganese, 24%, 100-lb. pkgs., lb. .30 - —
All prices are f.o.b. customers' plants, East of Denver.

Nypene resin, dms., c.l., works, lb. .16 - —
l.c.l. .....lb. .16½- —

P

Paradene, No. 1, 75-99°C., dms., gross wt., works..lb. .04½- —
2, 100-124°C., dms., gross wt., works..lb. .04½- —
Paradene prices on contract, terminating Dec., 1941, are ¼c. lower; prices are freight equalized with Philadelphia, Pa.
Paradura resin, grade AV, c.l., dlvd..lb. .25 - —
10 pkgs. or more, dlvd.....lb. .26 - —
9 pkgs. or less, dlvd.....lb. .27 - —
C, c.l., dlvd.....lb. .29½- —
10 pkgs. or more, dlvd.....lb. .30½- —
9 pkgs. or less, dlvd.....lb. .31½- —
10-P, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
46, c.l., dlvd.....lb. .21½- —
10 pkgs. or more, dlvd.....lb. .22½- —
9 pkgs. or less, dlvd.....lb. .23½- —
273, c.l., dlvd.....lb. .23 - —
10 pkgs. or more, dlvd.....lb. .24 - —
9 pkgs. or less, dlvd.....lb. .25 - —
367, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
540, c.l., dlvd.....lb. .32 - —
10 pkgs. or more, dlvd.....lb. .33 - —
9 pkgs. or less, dlvd.....lb. .34 - —
Paranol resin, extra hard, No. 1, c.l., dlvd..lb. .14½- —
10 pkgs. or more, dlvd.....lb. .15 - —
9 pkgs. or less, dlvd.....lb. .15½- —
Extra hard, No. 2, c.l., dlvd..lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
Extra hard, No. 3, c.l., dlvd..lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Hard, No. 1, c.l., dlvd.....lb. .12½- —
10 pkgs. or more, dlvd.....lb. .13 - —
9 pkgs. or less, dlvd.....lb. .13½- —
Hard, No. 2, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
Hard, No. 3, c.l., dlvd.....lb. .11¼- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
100, c.l., dlvd.....lb. .15½- —
10 pkgs. or more, dlvd.....lb. .16 - —
9 pkgs. or less, dlvd.....lb. .16½- —
105, extra light, c.l., dlvd..lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
105, dark, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
105-P, extra light, c.l., dlvd..lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
200, c.l., dlvd.....lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
500, hard, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
800, extra hard, c.l., dlvd...lb. .16 - —
10 pkgs. or more, dlvd.....lb. .16½- —
9 pkgs. or less, dlvd.....lb. .17 - —
800 extra light, c.l., dlvd....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
800, dark, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
850, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
900, c.l., dlvd.....lb. .11¼- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
1574, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
1600, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1639, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
Hard, 1640, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
1650, c.l., dlvd.....lb. .12 - —
10 pkgs. or more, dlvd.....lb. .12½- —
9 pkgs. or less, dlvd.....lb. .13 - —
1700, c.l., dlvd.....lb. .14 - —
10 pkgs. or more, dlvd.....lb. .14½- —
9 pkgs. or less, dlvd.....lb. .15 - —
LB, No. 1, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
LB, No. 5, c.l., dlvd.....lb. .13 - —
10 pkgs. or more, dlvd.....lb. .13½- —
9 pkgs. or less, dlvd.....lb. .14 - —
LB, No. 89, c.l., dlvd.....lb. .11½- —
10 pkgs. or more, dlvd.....lb. .12 - —
9 pkgs. or less, dlvd.....lb. .12½- —
LN, 100, c.l., dlvd.....lb. .13½- —
10 pkgs. or more, dlvd.....lb. .14 - —
9 pkgs. or less, dlvd.....lb. .14½- —
Phenester, color 3½-5, dms., works, lb. .17 - —
P.H.O., dms., works,.....lb. .19 - —
Pilolite, powder, ton lots, works, lb. .66 - —
smaller lots, works.....lb. .69 - .74
Pilolite resin, clear, ton lots, works..lb. .75 - —
smaller lots, works.....lb. .79 - .84
No. 29, ton lots, works.....lb. .75 - —
smaller lots works.....lb. .79 - .84
No. 40, ton lots, work.....lb. .75 - —
smaller lots, works.....lb. .79 - .84

R

Resinous oil, No. XI, dms., works, lb. .019 - —

S

Staybelite resin, c.l. (36,000 lbs.), f.o.b. cars East of and including N. D., S. D., Neb., Kan., Okla. and Tex..lb. .06 - —
l.c.l., dms. (500 lbs.), same basis..lb. .06½- —
smaller lots, f.o.b. Hattiesburg, Miss., or Hercules, Del..lb. .20 - —
Styrene resin, XRS-1, 30,000 lbs., works..lb. .50 - —
15,000 lbs., works.....lb. .50½- —
5,000 lbs., works.....lb. .51 - —
XRS-2, 30,000 lbs., works....lb. .53 - —
15,000 lbs., works.....lb. .53½- —
5,000 lbs., works.....lb. .54 - —
Super-beckacite, pure phenolic, 1001, dms., 1-9, frt. pd..lb. .31 - —
1003, dms., 1-9, frt. pd....lb. .30 - —
2060, dms., 1-9, frt. pd....lb. .26 - —
2687, dms., 1-9, frt. pd....lb. .21 - —
3000, dms., 1-9, frt. pd....lb. .43½- —
3005, dms., 1-9, frt. pd....lb. .41½- —
Super-beckacite prices in lots of 10 dms. or more are ½c. per lb. less than above; in carloads, 1c. per lb. less, with exception of 3000 and 3005, where 10 dms. are 1½c. less and carloads 3c.; prices subject to same geographical differentials as beckacite.

Super-beckamine, 3500 dms., 10,000 lbs. or more, frt. pd.lb. .26 - —
3501, dms., 1-9, frt. pd.....lb. .24½- —
Surfex, bgs., c.l., f.o.b. Painesville, Ohio..ton.27.50 - —
BB, bgs., c.l., same basis..ton.32.00 - —
MM, bgs., c.l., same basis..ton.30.00 - —
Syntex, alkyd resin, No. 9, c.l. 100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —
17, c.l.....100 lbs.12.25 - —
l.c.l., 10 or more dms.100 lbs.12.75 - —
1-9 dms.....100 lbs.13.25 - —
18, c.l.....100 lbs.13.25 - —
l.c.l., 10 or more dms.100 lbs.13.75 - —
1-9 dms.....100 lbs.14.25 - —
19-A, c.l.....100 lbs.12.75 - —
l.c.l., 10 or more dms.100 lbs.14.25 - —
1-9 dms.....100 lbs.14.75 - —
20-A, c.l.....100 lbs.14.25 - —
l.c.l., 10 or more dms.100 lbs.14.75 - —
1-9 dms.....100 lbs.15.25 - —
21-B, c.l.....100 lbs.12.25 - —
l.c.l., 10 or more dms.100 lbs.12.75 - —
1-9 dms.....100 lbs.13.25 - —
22, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —
23, c.l.....100 lbs.12.00 - —
l.c.l., 10 or more dms.100 lbs.12.50 - —
1-9 dms.....100 lbs.13.00 - —
28, c.l.....100 lbs.16.00 - —
l.c.l., 10 or more dms.100 lbs.16.50 - —
1-9 dms.....100 lbs.17.00 - —
32, c.l.....100 lbs.11.50 - —
l.c.l., 10 or more dms.100 lbs.12.00 - —
1-9 dms.....100 lbs.12.50 - —
36, c.l.....100 lbs.16.00 - —
l.c.l., 10 or more dms.100 lbs.16.50 - —
1-9 dms.....100 lbs.17.00 - —
40, c.l.....100 lbs.14.00 - —
l.c.l., 10 or more dms.100 lbs.14.50 - —
1-9 dms.....100 lbs.15.00 - —
119, c.l.....100 lbs.18.25 - —
l.c.l., 10 or more dms.100 lbs.18.75 - —
1-9 dms.....100 lbs.19.25 - —
H-3, 10,000 lbs. and up.100 lbs.13.00 - —
2,500-9,999 lbs.....100 lbs.13.50 - —
under 2,500 lbs.....100 lbs.14.00 - —
H-3, pale, 10,000 lbs. and over..100 lbs.13.00 - —
2,500-9,999 lbs.....100 lbs.13.50 - —
under 2,500 lbs.....100 lbs.14.00 - —
H-10, c.l.....100 lbs.14.25 - —
l.c.l., 10 or more dms.100 lbs.14.75 - —
1-9 dms.....100 lbs.15.25 - —
H-12, c.l.....100 lbs.15.00 - —
l.c.l., 10 or more dms.100 lbs.15.50 - —
1-9 dms.....100 lbs.16.00 - —
H-15, c.l.....100 lbs.10.50 - —
l.c.l., 10 or more dms.100 lbs.11.00 - —
1-9 dms.....100 lbs.11.50 - —
H-46, c.l.....100 lbs.11.50 - —
l.c.l., 10 or more dms.100 lbs.12.00 - —
1-9 dms.....100 lbs.12.50 - —

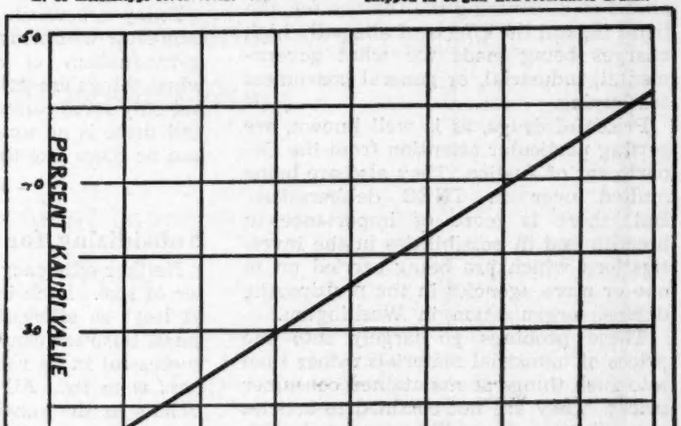
These prices are f.o.b. Louisville, Ky., freight prepaid and allowed to destinations in New England, the Middle Atlantic States, Va., N. C., S. C., W. Va., Ohio, Ky., Tenn., Ind., Ill., Mich., Wis., Iowa and Mo. and the cities of Minneapolis and St. Paul, Minn.; Atlanta, Ga., Omaha and Lincoln, Neb., and Montreal and Toronto, Canada. For shipment to other points East of the Rockies and not listed above, add 1c. per pound.

V

Vinylite resins, AYAA, AYAF, AYAT, c.l. (30,000 lbs.), paper bags, f.o.b. cars, South Charleston, W. Va., freight paid to destination E. of Mississippi river....lb. .40 - —

Lewisol—Vinylite

Vinylite, 2,000 to 9,999 lbs., cns., same basis..lb. .45 - —
200 to 1,999 lbs., cns., same basis..lb. .45 - —
1 to 199 lbs., cns., same basis..lb. .60 - —
AYAB, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis.lb. .67 - —
AYAW, cns., 200 to 1,999 lbs., same basis..lb. .52 - —
1 to 199 lbs., same basis.lb. .67 - —
QYNA, c.l. (30,000 lbs.), paper bags, f.o.b. cars South Charleston, W. Va...lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .52½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHF, VYLF, VYNW, VYRR, c.l. (30,000 lbs.), paper bags, same basis...lb. .48 - —
10,000 to 29,999 lbs., cns., same basis..lb. .50 - —
2,000 to 9,999 lbs., cns., same basis..lb. .53½- —
200 to 1,999 lbs., cns., same basis..lb. .55 - —
1 to 199 lbs., cns., same basis..lb. .65 - —
VYHH, c.l. (30,000 lbs.), paper bags, same basis, lb. .52 - —
10,000 to 29,999 lbs., cns., same basis..lb. .54 - —
2,000 to 9,999 lbs., cns., same basis..lb. .55½- —
200 to 1,999 lbs., cns., same basis..lb. .57 - —
1 to 199 lbs., cns., same basis..lb. .67 - —
VYNS, c.l. (30,000 lbs.), paper bags, same basis, lb. .66 - —
VYNS, 10,000 to 29,999 lbs., cns., same basis..lb. .70 - —
2,000 to 9,999 lbs., cns., same basis..lb. .72½- —
200 to 1,999 lbs., cns., same basis..lb. .75 - —
1 to 199 lbs., cns., same basis..lb. .85 - —
XYSG, paper bags, 200 to 1,999 lbs., cns., same basis..lb. 1.25 - —
1 to 199 lbs., cns., same basis..lb. 1.40 - —
Vinylseol adhesive, dm. lots, same basis..gal. 2.10 - —
solutions, smaller lots, same basis..gal. 2.10 - —
smaller lots, same basis.gal. 2.50 - —
XL5041, 20 dms., same basis, gal. 2.00 - —
dm. lots, same basis....gal. 2.25 - —
smaller lots, same basis.gal. 2.50 - —
XL5075, 20 dms., same basis, gal. 2.15 - —
dm. lots, same basis....gal. 2.40 - —
smaller lots, same basis.gal. 2.65 - —
Adhesive solutions in 1 to 5 gal. quantities are shipped in non-returnable containers. Extra charge of 40c. for 1-gal. cans. 5-gal. containers included in price. Drum lots are shipped in 55-gal. non-returnable drums.



(Showing the effect of increased percentages of Durez 550 with a synthetic oil)

How to Banish Brittleness When You Use Synthetic Oils

If you're interested in using some of the new synthetic oils but have hesitated because of their characteristic brittleness,* just combine them with a Durez 100% phenolic resin.

Medium length varnishes generally made with a high melting resin like Durez 220 show low kauri value because of the brittleness* of these oils. However, by using 20% of Durez 550, for example, the elasticity is more than doubled. In addition, other film properties such as water and alkali-resistance are increased.

Such improvements may also be achieved through the use of Durez 500, 525 or 570. If you want further information on the use of Durez and synthetic oil, just write—

DUREZ PLASTICS & CHEMICALS, INC.
303 Walck Road, North Tonawanda, N.Y.

*Dehydrated castor oil excepted

DUREZ PLASTICS & CHEMICALS, INC.
RESINS THAT FIT THE JOB

Oil, Paint and Drug Reporter

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Vol. 139 March 3, 1941 Number 9

Price Probes Are On

Price studies are currently occupying a large part of the time of a large number of members of the staffs of several Federal agencies. These studies vary in nature with the various agencies, but, whether in the Department of Justice, the Temporary National Economy Committee, the Advisory Commission of the Council on National Defense, or in Congress or elsewhere, they all are aimed at discovering the reasons for, the truth in, and the effects of allegedly high charges being made for what governmental, industrial, or general consumers are buying.

Prices of drugs, as is well known, are getting particular attention from the Department of Justice. They also are being mulled over in TNEC deliberations. But, there is more of importance in breadth and in possibilities in the investigations which are being carried on in one or more agencies in the multipartite defense organization in Washington.

These probings go largely into the prices of industrial materials rather than into such things as maintained consumer prices. They are not confined to articles immediately or readily associated with matters of national defense.

The probers are looking at many angles of the price situation in chemicals and the like. They have arrived at some derogatory suspicions of the reasons why certain prices have been substantially advanced. But, it must be said that, in most instances, they are not content to yawp at the first suspicion of avarice, but, follow through to fundamentals and take cognizance of all conceivably influential factors. They are not rushing out with inadequately supported charges. Their eventual procedure cannot be forecast. But, because of the apparent thoroughness of their investigations, whatever action they take as a result thereof is not likely to be mostly sound and fury.

Aside from the general increases in prices of chemicals and related materials, the defense probers are giving special attention to the much elevated quotations in "export" or "resale" markets. Maybe they examine these spreads in the light of the Robinson-Patman act.

There Is Good Company

Ten days from today the drug and chemical trade of the New York metropolitan area will provide again its annual opportunity for its members and their friends from nearby and far and wide to gather in goodfellowship for renewal of acquaintances, review of the year of separation, and discussion of more or less universally shared problems of today and tomorrow. March 13 is the date of this year's annual banquet of the Drug, Chemical and Allied Trades Section of the New York Board of Trade.

This is a last-call announcement of the famous DCAT roundup. There are a few places in the banquet room where chairs can still be crowded around tables. There will be no seating room by the end of this week; for the popularity of the banquet is again making a new record in attendance and repeating its annual astounding of the section by the numerousness of itself and its friends.

There is much more than numbers in the reputation of the DCAT banquet; although this year conditions of the trade are such that the manifestation of mutual anxiety and the display of protective esprit de corps will not be emphatic. But, the continuously developing spirit of goodfellowship will therefore be the more in evidence, and the steadily cultivated mutual understanding will have full opportunity of display. To those who have watched these two achievements of this affair—good fellowship and better understanding—as they have grown since its inauguration sixteen years ago, the value of the gathering is immeasurable. Those few who do not even accept the opportunity to get the feel of these occasions are the losers.

Today is bountiful in a business sense: tomorrow will bring nobody knows what. Individualism is a fine characteristic when things are going well. But, misery not only loves company; it also needs it—and there is no time like now to pick it, and no place like the DCAT roundup.

—O-P-D—

Subsidizing for Size

Neither efficiency nor success is a matter of size. Each in its place, a watch is at least as efficient as a battleship. A small business can be as efficient and as successful in its role as the biggest business is in its. All this interest of politicians in the subsidizing of small business appears to be little other than another step along the path of paternalism and the concomitant debasement of self-reliance.

The one realistic commentary recently made upon the needs of small business was that these are local problems. Even that commentator did not go so far as to say that these are not political problems. He is an adherent of the newer faith that all economic problems belong to government.

That same commentator put his finger on the crux of the situation when he said that, in most communities, there is usually plenty of money available, but the problem is to find it and "to persuade its owners to invest it." That last clause tells the whole story in economic fundamentals. Those who have money to invest and are in position to know the real nature of proffered investments need not be stony-hearted to turn down many of the requests.

Of course, this puts small business at a disadvantage in comparison with big business which can raise money by selling "securities"—at a distance from home. The answer is, not that things should be made easier for doubtful small business, but that big business should be required to give equal proof of its deserts. In whatever direction a solution may be sought there should be a complete dissipation of the illusion that the nation owes every man a living in whatever job he chooses. There are too many other jobs that require doing. Small business is an important part of the national economy, and a necessary part. But, no necessity is so great as to justify governmental subsidy which, as it has been with agriculture, will eventually be followed by governmental supervision and regulation of business.

—O-P-D—

Hang Out Your Sign

The market for chemicals, oils, and drugs is a big one. It is growing in size and importance for United States producers because other suppliers are constantly falling farther behind in their ability to serve the world's consumers. And this market is a changing one because interferences cut off supplies of numbers of important materials or have so reduced their flow that not even willingness to pay higher prices can make them adequately available.

This means, then, that new buyers—many in this country—are looking to United States sources for supplies, and other buyers everywhere are looking for sources of materials to take the place of those which have been cut off. The result is new and bigger opportunities. But, these cannot be realized unless buyer meets seller. This meeting depends on their both knowing where to look.

Buyers everywhere look to the Oil, Paint and Drug Reporter for sources of chemicals, oils, and drugs, and particularly they look in the OPD Green Book. It is there that sellers should make certain they are listed.

A new edition of the Green Book is now being prepared for printing. In order that this buyers' guide may best serve all sellers the latter are urged to send in now the listings under which they will most advantageously be put.

—O-P-D—

Slighted Job Is Never Done

Congress is speedily tinkering the "bugs" out of the excess profits tax law it passed last year. The result is expected to be a substantial saving for certain types of corporations—and a bigger necessity to find good money-makers to finance the substantial spending by government. Whether the net effect on the national economy will be good or bad cannot now be told and may not be determinable as soon as was the unsatisfactoriness of the 1940 tax act.

Congress is faced with the necessity of, perhaps not speedily but certainly substantially, increasing the Federal revenue. It is no better equipped for this important task than it was when it created the excess profits tax which it now is remaking. It will always be so as long as business does not insist that the construction of revenue laws be designed and carried out as the business undertaking which it is. And doing this job right in the first place would save money, and prevent a lot of profanity.

PFIZER

MAGNESIUM ACID CITRATE DEHYDRATED

Pfizer MAGNESIUM ACID CITRATE DEHYDRATED is a stable, soluble, free-flowing salt with laxative properties.

Dry mixtures of sugar and Pfizer MAGNESIUM ACID CITRATE DEHYDRATED do not cake. Similarly, effervescent salt mixtures with both sugar and sodium bicarbonate may be kept indefinitely in fully reactive condition. The mixtures dissolve readily in water giving a clear, mildly acid solution.

The pure salt is a convenient concentrate for general pharmaceutical purposes.

Manufacturing Chemists

PFIZER QUALITY
Est. 1849

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Heavy Chemicals

Defense Program Provides Principal Stimulus to Business —Aluminum Priorities Invoked—Export Control Stiffens —Shortage Noted in Supplies of Various Metal Salts

The defense program continued to provide direct and indirect stimulus to business in the market for heavy chemicals last week. With supplies of some materials tightening there was a tendency to make forward commitments. At present facilities for production were sufficient to cover current requirements, and priorities board is refraining from exerting mandatory orders. The imposition of formal priorities on aluminum was the first mandatory industry-wide priority to be invoked under the defense program. A further stiffening in export control by the government was made in materials considered important to defense. Recent spread of strikes in heavy industries was a disturbing factor. Tin derivatives again provided the principal price fluctuations.

A further shortage was noted in available quantities of various metal salts. Nickel salts, including chloride, oxide and sulphate, were in heavy demand, actual shipments falling far behind. Large orders were on hand for copper carbonate and oxides of copper. Far East tension provoked wide gyrations in tin derivatives, and prices for tin oxide were withdrawn. Zinc salts were restricted to regular channels. It is still too early to determine what effect the imposition of priority ruling on aluminum will have on the various compounds, so far no noticeable shortages have been disclosed.

Aluminum, ammonia compounds, antimony, chromium, copper, cobalt, manganese, potash, strontium, tin and tungsten are items listed as subject to further export control by the government. These materials are deemed as important to national defense, and, although they require licenses, additional detailed information about the individual shipment will be necessary.

Alums. — Shipments steady. Prices unchanged and firm. December exports 357,715 pounds, value $22,645.

Alumina Sulphate. — Withdrawals good against contracts. Prices firm. December exports 6,143,681 pounds, value $67,971.

Aluminum. — Formal priorities imposed by Office of Production Management, the first mandatory priority to take place under the defense program.

Ammonia, Anhydrous.—Prices rule firm, and business routine. December exports 1,101,021 pounds, value $75,477.

Ammonia, Aqua. — Heavy inquiry and shipments steady. Prices hold firm.

Ammonia Bicarbonate.—Withdrawals well maintained from regular channels. Quotations unchanged.

Ammonia Bifluoride. — Market position firm, and the call was moderate.

Ammonia Nitrate.—Business at good levels. Prices firm.

Ammonia Persulphate.—Steady interest for moderate quantities. Firm price tone.

Ammonia Silicofluoride. — Market displayed firmness, with offerings none too plentiful.

Ammonia Sulphide. — Transactions routine against contracts. Prices steady to firm.

Ammoniac Sal.—Call for white and gray steady. Prices continued firm.

Antimony.—Domestic spot metal unchanged, with case lots providing the bulk of the business.

Antimony Oxide. — A moderate amount of replacement business made its appearance. Prices unaltered.

Arsenic.—Movement of white fairly steady, and tone of market firm.

Barium Carbonate.—Demand moderately active, and prices remain the same.

Barium Chloride. — A satisfactory amount of replacement buying kept market in favorable position.

Barium Dioxide. — Business irregular, while prices were well maintained.

Barium Hydrate. — Interest spotty. Prices lacked any change.

Barium Nitrate.—Inquiries held at good levels, and market displayed firmness.

Bleaching Powder.—Usual consumers made withdrawals against contracts consistently to keep market firm.

Calcium Carbide. — Business moderate and quotations unchanged. December exports 6,179,960 pounds, valued at $225,130.

Calcium Chloride. — The favorable weather was beneficial for ice control activities. Prices steady to firm. December exports 537,979 pounds, value $6,758.

Carbon Bisulphide. — Business steady. Prices rule firm. December exports 464,416 pounds, valued $20,416.

Carbon Tetrachloride. — A good movement continued in evidence, and prices were firm.

Chlorine.—Shipments held at high levels, with market in strong position. December exports 764,645 pounds, valued at $19,391.

Cobalt Oxide. — Business usually confined to regular channels. Prices firm.

Copper.—Demand continued to exceed supplies. Producers held price at 12c., while custom smelters quoted 12½c. Resale quarters quoted 13¼c. for prompt delivery. Export market ranged from 10½c. to 12c. per pound.

Copper Salts.—Demand heavy for carbonate and oxides of copper, other derivatives moved steadily. Prices firm.

Copper Sulphate.—Broader demand

Price Changes

Advanced

None

Reduced

Soda stannate, 1½c. per lb.
Tin, Straits, 2½c. per lb.
crystals, 1½c. per lb.
stannous chloride, anhy., 1½c. per lb.
tetrachloride, anhy., 1c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
158.2	158.2	158.2	150.6

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Purchasing Agents Ass'n, May 26-29, Chicago.

from commercial sources. Good export business to South and Central America. Market firm.

Copperas.—Transactions limited to usual channels. Prices rule firm.

Flurospar. — Shipments steady. Prices unchanged and tone firm.

Glauber's Salt. — Market position firm, and demand steady.

Lead Acetate. — Dealings routine. Prices underwent no change.

Lime.—Shipments moved at a good pace, and prices were steady to firm.

Magnesite.—Inquiries continued to exceed available supplies. Quotations firm.

Manganese Dioxide.—Business limited to regular contract accounts. Prices rule firm.

Nickel Salts. — Market tight, shipments delayed by difficulties in obtaining basic metal. Prices firm.

Phosphorus. — Outside market for Red ranged from 82c. to 84c. per pound, with little available; moderate demand for yellow.

Potash Carbonate.—Business moved at a good pace against contracts. Prices held firm.

Potash Caustic. — Interest maintained at satisfactory levels, with market firm.

Potash Chlorate. — New domestic producer on Pacific Coast. Japanese material offered. Prices in outside market ranged from 46c. to 48c. per pound.

Potash Perchlorate.—Domestic producers working closely with government to provide defense needs. Prices firm.

Potash Permanganate. — Market in tight position. Sellers limit commitments. Scattered transactions in outside market ranged from 26c. to 28c. per pound.

Salt.—Demand well sustained, and market displayed firmness.

Saltcake.—Domestic production moving into consuming channels. Prices nominal.

Soda Acetate.—Market was routine. Prices without change and firm.

Soda Ash.—A good volume of business passed against contracts. Prices unchanged. December exports 5,862,926 pounds, valued at $92,878.

Soda Bicarbonate.—Business moderately active, and prices firm. December exports 2,634,644 pounds, valued at $35,848.

Soda Bisulphite. — Demand steady. Prices unchanged and firm.

Soda, Caustic.—A fairly broad demand was in evidence. Prices lacked change. December exports 13,455,298 pounds, valued at $319,718.

Soda Chlorate.—Shipments confined to regular channels. Prices firm. Outside business limited, ranging from 12¼c. to 12½c. per pound.

Soda Cyanide.—In active demand. Prices unchanged with tone firm.

Soda Nitrite.—Prices continued firm, and interest was steady.

Soda Phosphate.—Buying moderately active, and prices firm. December exports 485,666 pounds, valued $19,764.

Soda Silicate.—Demand good. Prices continued firm. December exports 1,218,060 pounds, valued at $16,804.

Soda Silicofluoride.—Market continued tight. Spot offerings ranged from 9¾c. to 11c. per pound.

Soda Stannate. — Prices declined 1½c., ranging from 33c. to 36c. per pound. Demand moderately active.

Soda Sulphite.—Withdrawals against contracts steady. Prices firm.

Sulphur, Refined.—A fairly active demand prevailed. Prices rule firm.

Tin Salts.—Anhydrous tetrachloride of tin declined 1c. at 26c. to 26½c. per pound; tin crystals, 1½c., ranging from 38½c. to 39c. per pound, and anhydrous stannous chloride, 1½c. at 47½c. to 48c. per pound. Straits metal dropped to 51¼c. per pound.

Zinc Chloride.—Shipments usually restricted to regular contracts. Prices firm.

Zinc Sulphate.—A firm price tone characterized the trading, with transactions steady.

Acids

Inquiries and shipments held at fairly active levels in the market for mineral acids last week. Acetic enjoyed a good domestic demand, glacial displayed a much firmer tone and occasionally a delay was experienced for sizable quantities. Chromic moved steadily to the plating trade. Formic bookings for export were made a month ahead. Oxalic continued in a tight position, with little available in the outside market. Phosphoric was firm. Sulphuric shipments were well sustained against contracts. Market was without any price changes, but the tone was firm.

Acetic.—Steady demand. A steady to firm price tone predominated. December exports 421,034 pounds, valued at $32,928.

Battery.—Routine interest. Prices without change.

Chromic.—Active demand. Quotations unchanged and firm.

Formic.—Buying steady. Some forward booking for export into next month at 16¾c. per pound.

Gallic.—Withdrawals conservative. Prices remain the same.

Hydrofluoric.—Steady to firm price tone, with dealings moderate.

Lactic.—Demand fairly steady, and prices held at previous levels.

Muriatic.—Inquiries and shipments good. Prices remain firm. December exports 932,534 pounds, valued $17,839.

Nitric.—Active inquiry. Market retained its firmness.

Oxalic.—Offerings limited. Some outside business at 14½c. per pound.

Phosphoric.—Steady interest. Prices were firm.

Sulphuric. — Shipments steady against contracts. Prices unchanged and firm.

Baltimore, Feb. 26.—The market for sulphuric acid appears to be virtually unchanged, with the demand about as it has been and with the quotations also the same. Contracts for the current year have been generally placed at what was said to be last year's level, despite the fact that the cost of manufacture is higher, with freight rates on acid-making materials sharply advanced and with labor also marked up. The current nominal quotations are around $12 per ton for 60 degree and $15 per ton for 66 degree acid. Oleum also holds to the old level of around $17 per ton for 20 percent supplies. Plants are reported to be busy.

Insecticides

Movement to dealers and jobbers provided the bulk of the transactions in the market for agricultural insecticides and fungicides last week. Actual consuming period was expected to get underway soon. Some export business continued to come from South and Central America. There were no new price movements, and the tone was steady to firm.

Calcium Arsenate. — Some inquiry from dealers and jobbers. Prices firm. December exports 771,664 pounds, valued $31,552.

Lead Arsenate.—A moderate demand was prevalent. Prices remain the same. December exports 208,702 pounds, valued $16,661.

Nicotine Sulphate.—Not much new business occurred. Prices rule firm. December exports 47,519 pounds, valued $29,953.

Chemists' Club Nominates

The nominating committee of the Chemists' Club, this city, has submitted the following selections for officers to be voted for at the next annual meeting:

President, Walter S. Landis.
Resident vice-president, Ralph E. Dorland.
Nonresident vice-president, Robert L. Murray.
Suburban vice-president, Per K. Frolich.
Secretary, Robert T. Baldwin.
Treasurer, Ira Vandewater.
Trustee, 1941-44, Charles R. Downs and Albert B. Newman.

Standard Aluminum Formed

Standard Aluminum & Alloy Company, Chicago, is being formed for production of aluminum metals. The company will operate properties near Decatur, Ala., and in Arkansas. The company plans to use a low grade mine run bauxite ore. Limestone will be used in processing of the ore. John G. McDonald, Chicago attorney, is representing the company.

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Research in Industry

—*Continued from page* 3

mind that industrial research is after all a production unit and must yield positive performance, not so much as to the individual project, but as to the grouping. The projects brought in by the field organizations forming a part of our industrial unit, which generally concern themselves with deficiencies in the ordinary products and as measured by the reaction of the consumer, offer a very promising field for the start of a research laboratory. In the first place the entire organization can absorb these developments with the greatest of ease, there frequently being needed only a modification of production unit or a change of production method to yield a real return.

A second group of projects—and these need not necessarily reach the formal research institution—concerns itself with problems arising in the production units themselves, improvements in qualities of products, in efficiencies of conversion, in short cuts and simplification of operation. In general many of these problems falling into this group are handled by production units, but they must be recognized as accomplishments of research, and due credit should be given for this extra production activity. Those that reach the laboratory fall in a class not unlike the first mentioned. Solutions of the problems are not too involved, and absorption of the results often not costly.

Coordination Meets Desires

A third group of projects are those collected by the field organizations and involve meeting radically new desires on the part of established consumers. These consumers in turn are in much the same situation as the supplying unit, in that they have organization, plant, and equipment capable of logical and reasonable expansion into new fields not too much unrelated to their older and more established activities. They, too, have a fair conception of the general field and line of their proposed new ventures, but need assistance in appraising suitable raw materials for their consumption which in turn may be in the category of the finished products of my own group.

Here my research laboratory becomes one link of a chain not only contributing benefit to myself as a producer, but assisting and helping to build a further processing industry as the next succeeding link upon which may be again attached further like expansions. For example, in the mining industry the well-set-up institution finds, as an ore body is opened up, a material change in the character even to bringing in new and heretofore undetected minerals. Its own metallurgical practice and plant require research and revision, and it in turn calls upon its own suppliers for new machinery and reagents to make possible this new production. Or a well-equipped factory finds that it can adapt itself to a new specialty again calling for new supplies to complete the new assembly. Thus a new industry is founded on the basis of a combination of researches demanding new and different types of intermediates and semimanufactured materials, and yet nowhere in the operations have essentially wholly new organizations had to be founded to meet these requirements.

In all such classes of research projects as listed above it will be noted that the direction is fairly sharply focused. The probabilities of successful outcome are very greatly enhanced by virtue of the fact that radical departure from the specific field is held within somewhat narrower limits. The X dollars required to go with the research work is usually a relatively small sum as related to the quantity of production called for, and so in these fields research makes usually a very satisfactory financial record, and the nearer one can keep to such activities, the better such record.

It is also important to recognize that much of this type of research may not originate or be carried out in the formally organized research unit. In allocations of funds and facilities due account should be taken of the outside contributors. The striking of a balance between all these various groups has a great deal to do with the profit angle of our venture into the research field.

Broad Vision Useful

Every research organization should plan to devote a certain proportion of its activity to problems in a much broader field than those listed above. In the very small institution the fraction that can be directed to general research may become too small to be effective. But in the more highly organized institutions there is due some attention to meeting many of the miscellaneous countless human needs not yet satisfactorily solved. These offer infinite opportunity for research, and in consequence the exact choice in such a limitless field should be determined upon the basis of the breadth of the research unit and its stock of tools.

A broad, haphazard program has relatively small chance of producing results that can be capitalized quickly and consequently should command a lesser fraction of the units activity. A broad program, yet circumscribed to the general field in which the parent operates, has somewhat more chance of success measured in commercial time and warrants a greater proportion of the unit's activity. Here is where the executive and the research director can contribute much to a balancing of the bread-and-butter type of research listed in the earlier categories against this more general attack on larger problems, so that the whole keeps a sound balance sheet. In this broad field of research the problems are usually more complex, there is less of a background to operate on, and costs of the research project are relatively larger. Also our X factor becomes greater for these types of projects and it requires very careful weighting to determine just how much of this type of work should be undertaken.

There is still a further category of research that should be a part of every industrial laboratory of the more highly organized type. This is concerned with the addition of abstract information to the sum total of human knowledge and without any general idea of its specific application to an ultimate production unit. There is a mass of abstract data that we do not possess. We do not even know whether its acquisition might have a direct or indirect application to the furtherance of our own general research work. Nevertheless, I believe that every institution that can possibly add to this type of knowledge should divert a part of its equipment and service to the furtherance of knowledge of this general type. It is equally important to see that such information is properly distributed through publication or otherwise to the benefit of all. I am thinking here of examples of additions and corrections of physical constants, to supplementing our knowledge of properties, to the cataloging and coding of general information, and contributions to tables and data of general reference interest. It is our rental which we owe for the mass of prior art that has been handed down to us and upon which we plan so much of our method of approach.

Having now presented the open door to our problems we must leave the specific method of attack within the laboratory for it would be useless to attempt here even to touch upon the infinite variety of detail of method by which research work is actually carried out. Assuming to pass over that period, we arrive at the next important stage and that is when to close or abandon a project on which we have had little success and seem to be making but small progress. Every laboratory attacks problems that just seem to get nowhere. Normally the tendency is to carry on, and there is undoubtedly a very large amount of time and money expended on just this type of project, always with the hope that tomorrow the situation will change and daylight will begin to appear.

There is no general prescription that can be given, as far as I would care to assume responsibility, for determining whether to carry on or to postpone the project. When such a project was accepted for study there should have been made, and it should be a part of the record, an appraisal of just what the solution might mean to the institution. As research projects these appraisals cannot be very exact, but they should indicate at least whether such a solution is of minor, of limited, or of great importance, as of the time in which they were considered and put into the shop. This should be our principal guide in determining how much expenditure of effort should be made on this particular problem, for if of limited possibility you can readily recognize that it should be cut off sooner than one promising a major revolution in our social life. It requires the utmost care to make such determination to wind up an unfinished job, and yet the errors made in this particular control may become very expensive even to the point of contributing a principal cause to a general revision of a research program, and in extreme cases to great curtailment, even abandonment of research expenditure. It is probably the most critical decision that the director of research has to make and it has broken many an organization.

Personally, I lean rather conservatively to cutting such programs on the short side rather than prolonging them, possibly from the selfish viewpoint that it brings up the average of successful contribution of the unit and creates a confidence both without and within the organization that leads to a better general performance. A group turning out a high average of successful projects, even though many of them are of secondary character, acquires a spirit and confidence that carry them over their more difficult problems; whereas, with too much discouragement, they stumble over even the incidental, or morale breaks and the unit loses efficacy.

Budgeting a Problem

So long as we possess no perfect institutions, no universally applicable products, and cannot answer every question put to us there is room for research. So long as our parent institution can earn some return or by some means can provide funds, it should undertake research on a scale commensurate with the means available. The small institution able to employ one man should devote some proper portion of his time to improving the product or the operating efficiencies, and widen the application, so that the next production will be a better material both in quality and cost. In the larger institution the research unit should be a separate entity and developed on research as its sole problem.

Now how much of our institutional resources should go into research. Here, too, we find no simple answer. There is much argument. Some types of business are inherently hazardous owing to extreme fluctuations in the market and severe competition. In such, a higher percentage of the turnover should properly be devoted to work primarily intended to keep that institution in business. In the more stable industries which have found a normally equalized market, and which because of age and development are relatively less subject to revolutionary change, a small proportion of the turnover may quite adequately serve to keep such institution healthy and maintain a long and prosperous life.

It has been stated already that a formal research unit involves the assembly of an unusual type of organization. It requires a more or less considerable investment in facilities and equipment. It is, therefore, a type of institution not particularly subject to rapid expansion and constraction from the personnel standpoint without tremendous loss of productivity, for it takes years to break new men into effective research workers. It, therefore, is essentially a continuing operation in which the effectiveness grows with the years. Many of the problems carry over not only from month to month but from year to year, and it is not unusual to find very long continuity, particularly in certain groups of projects. In determining, therefore, the expenditures for research they should be planned over years. For example a five-year period is relatively short to budget, at least a round sum capable of maintaining in operation a very large part of the planned facilities. One cannot disband such institution in times of stress and again pick it up quickly and expect effective results when prosperity again dawns. It is much simpler to pick up journeymen in many of our producing units and place them back into effective operation than it is to carry through a corresponding program in a research laboratory.

It has always seemed preferable to me to consider a research budget based upon a reasonable percentage of gross sales rather than to base this upon net profits. The former is relatively more stable. But just how to arrive at what the correct percentage should be is very much of an open question. In the chemical industry the larger units are accustomed to spend on research from 3 percent to 5 percent of their gross sales, but I do not believe that these figures mean exactly the interpretation that many place upon them. In the first place, effective research is carried on in many units of the company and in many directions that can never be segregated from the principal activity of the several units. Actually, therefore, the total research expenditure is probably greater than the published figures.

Equally true, however, is the fact that many expenditures are charged to research that lie across a very questionable borderline between ordinary service and research. Services and courtesies to customers frequently use facilities of a research department, yet are in no sense of the word research problems. This may become a very large item drawing upon the time of personnel and the facilities of the laboratory and yielding results only of value to the particular case at hand and not even necessarily of scientific interest. Therefore, these average figures which I presented must not be taken too literally and the error in interpretation may frequently be quite large.

Results Must Determine

I cannot but return to our factor X, which represents the capital required to turn the results of the laboratory into enterprise. In a very efficiently conducted laboratory this might become as high as fifty times the research expenditure. Normally laboratories do not operate very often or for a very long period at such a rate of production. A figure of ten is relatively high, for, even with all the difficulties in proper accounting, we have pointed out that research is frequently charged with more than an exact expenditure within the category of a campaign against the unknown, and also some part of the research charge is often properly devoted to activities that are most unlikely to result in commercial development. Therefore, only a portion of even our true expenditure for research, if such could be ascertained, is going to call for a capital expenditure in its future evaluation. Hence, the factor ten may be high, even though it had the benefit of certain types of research that were not charged against the organized unit. I myself would look as a minimum at a factor of five as probably ample to take care of the immediately useful products of the average laboratory, and when I found that I was not utilizing such sum in my evaluation of the research results I should examine very carefully into the program and the organization of the laboratory.

In such appraisal, however, one must approach the problem with a liberal mind, totaling the research expenditure to the best of one's ability so as to eliminate all doubtful items such as sales service, advertising, and every charge that is not directly under my definition. Naturally my factor X should not include expansions that follow as a matter of business development over many years, and as pertains to the single project. We always come back to the principle that in a peculiar problem of this kind we actually have no rigid measuring unit and ultimately a decision more or less arbitrary must rest upon the executive, and a leaning toward liberality may be even more harmful from the standpoint of research production than too tight a pinching of the research purse strings.

Research not only can be a very profitable item, but it also is a very necessary activity for preserving an institution. Today it is a highly competitive branch with thousands of research units, both in the industrial and in the educational institutions, not to speak of large and highly developed miscellaneous independent institutions, as well as those under govern-

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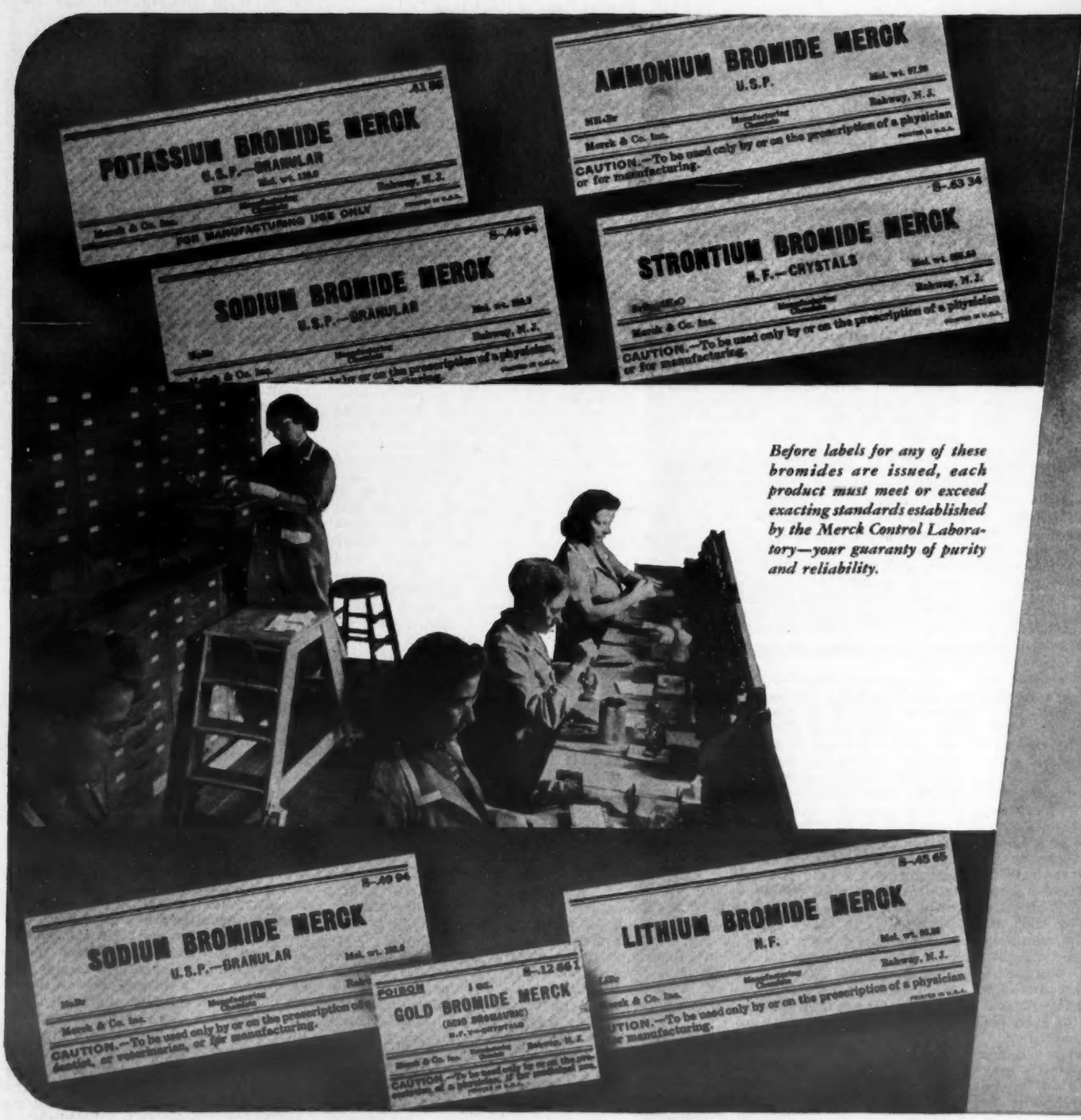
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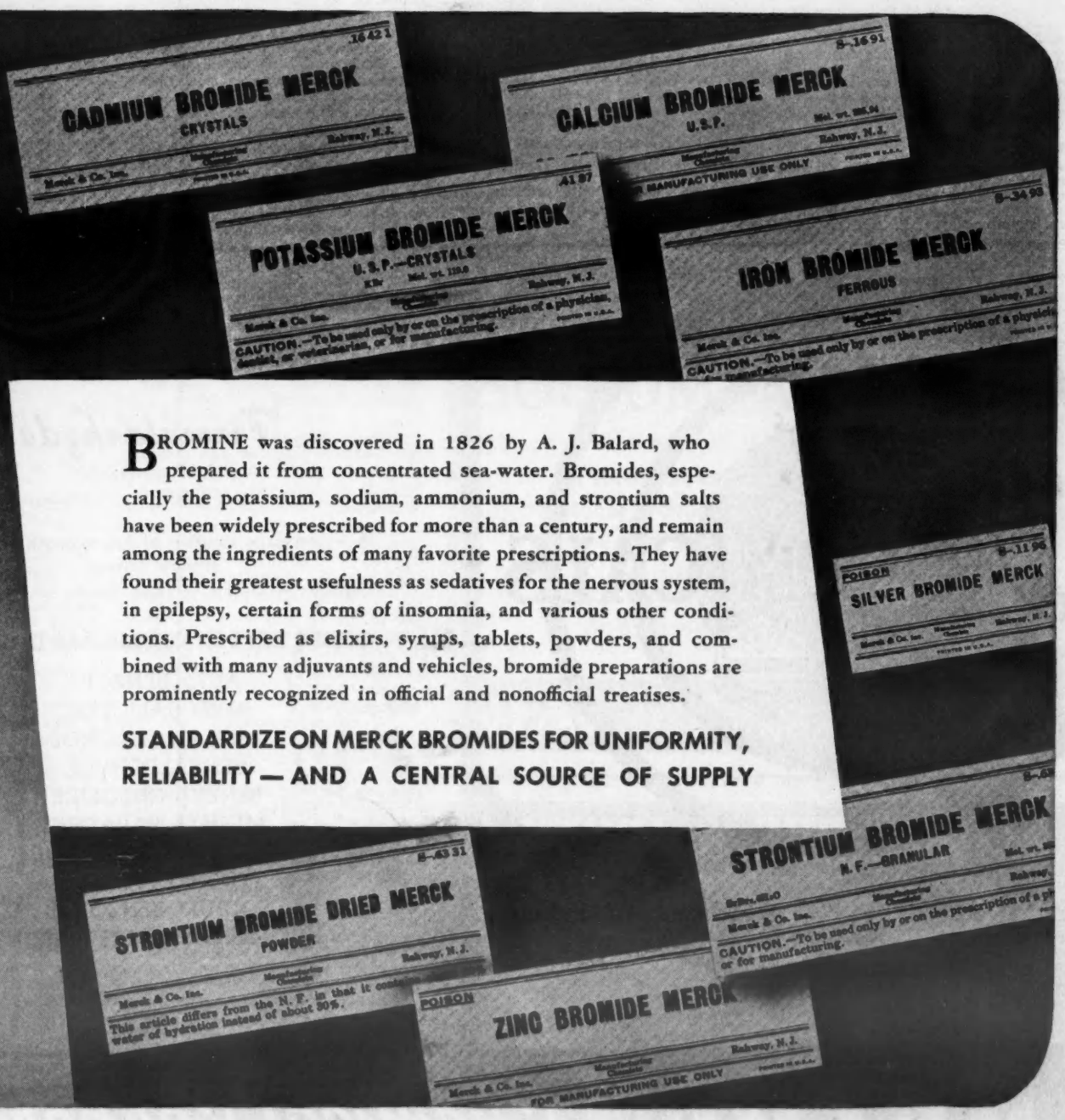
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STANDARDIZE ON MERCK BROMIDES FOR UNIFORMITY, RELIABILITY — AND A CENTRAL SOURCE OF SUPPLY

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mental control. These are all striving to outdo each other and always hoping to contribute something of a major revolutionary character in our social system. Such unit is, therefore, now a necessity to preserve the health and wellbeing of the parent. Properly organized and operated it is just as much a producing unit of the industrial corporation as is the machine in the factory, and in its treatment it must be dealt with just as any other producing unit. Its accounts should be kept rigorously; its profit and loss balance sheet cast at regular intervals; its personnel examined from time to time as to fitness; and its equipment kept in workable condition and in modern form. It should be housed according to the standards that the institution applies to any other producing unit, possibly somewhat better. It must be called to account for its expenditures, its effectiveness, and the quality of its production, in the same way that we deal with a factory unit. Under such control the question does not arise as to its worth-while contribution.

To sum up, all progress has always been and always will be the result of research. I need add no more.

Priorities System Put in Operation

—Continued from page 3

wise directed on specific allocation, based on submission of order books to the Priorities Division once each month, as described below under the heading of "Allocations." Orders for aluminum to be used directly or indirectly in filling British defense orders shall be given the same priority status as that granted for similar material to be used in, or in the making of, corresponding products for the army and navy. If this result cannot be achieved without our [Priorities Division] assistance, please communicate the known facts directly to this office and we will advise you how to deal with the matter.

Allocations

Aluminum. Certain aluminum forgings and fabricated parts are on the critical list, and therefore subject to automatic rating by the army and navy. In addition, aluminum generally has now been subjected to mandatory priority action to make sure that defense needs get first call. Aluminum producers have been ordered to submit all order books once each month, for allocation of available aluminum in the interests of defense, an action which, in the light of the present shortage, will mean some diminution in the supply available for ordinary civilian purposes. Additional action has been initiated to see that all necessary scrap flows promptly to defense channels.

Magnesium. This metal, like aluminum an important defense commodity, has been given complete preferential status for defense needs. In mid-February producers were instructed to fill only defense orders for the following ninety days.

Neoprene. The Priorities Division has supervised the allocation of this synthetic rubber, highly useful in defense production, to see that it is properly distributed to defense purposes.

Cooperation

Potassium Perchlorate. This chemical enters into both military and civilian channels. It is used for military flares, for public safety flares, and for the production of fireworks. Because of the shutting off of European shipments, there will not be enough to go around to all consumers. The producers have agreed to supply all military needs first, to take care of manufacturers making safety flares, and to make necessary cuts in the quantities flowing to nondefense purposes.

Zinc. The tight situation in the production and the industrial utilization of zinc has led to general but informal action by the Priorities Division. Zinc producers, after conferences with officials of the Priorities Division, have taken effective steps to facilitate the flow of zinc into military brass, and nondefense consumers have been urged to cooperate voluntarily and to effect substitutions and economies. So far, no formal priority action has been taken, though the question is still under consideration.

F.W. Lovejoy Honored

Frank W. Lovejoy, president of the Eastman Kodak Company, Rochester, has been awarded the 1941 civic medal of the Rochester Museum, in recognition of "eminence in the field of industrial science and community leadership."

Caustic soda plant erection in Brazil is being studied by British technologists.

Jarrett Named to Post With Koppers Co. Div.

Dr. Tracy C. Jarrett, formerly assistant metallurgist with the American Optical Company has been appointed chief metallurgist for the American hammered piston ring division of the Koppers Company, Baltimore, Md.

Dr. T. C. Jarrett

Dr. Jarrett received his bachelor of science degree in metallurgy from South Dakota School of Mines in 1932; his master of science degree from Harvard Engineering School in 1933; and his degree as doctor of science in metallurgy from Harvard in 1936. During 1931 and 1932 he was a laboratory instructor in metallurgy at the South Dakota School of Mines. He also was an instructor in metallurgy at Harvard as assistant to the late Prof. Albert Sauveur.

A member of the American Society of Metals and of the American Institute for Mining and Metallurgical Engineers, Dr. Jarrett is the author and co-author of a number of technical articles and is the inventor of the Jarrett metallurgical polishing and lapping machine.

Chipman Co. Named to Sell Chlorate for Penna. Salt

Chipman Chemical Company, Bound Brook, N. J., has been named selling agent for the soda chlorate production of the Pennsylvania Salt Manufacturing Company's new plant in Portland, Ore., construction of which was reported going forward rapidly, with the expectation that supplies will be available during the Summer of 1941.

The Chipman company also announced that "Atlacide" will also be produced at the Pennsylvania Salt's new plant. Keith Sime has been named Northwestern representative for the Chipman organization, with headquarters in Portland.

Chemical Workers Show Slight Gain

—Continued from page 3

Payroll Totals

(100=1923-25 average)

	Jan. 1941.	Dec. 1940.	Jan. 1940.
Chemicals	188.7	187.9	159.8
Cottonseed oil, cake and meal	105.2	121.7	99.6
Druggists' preparations	132.3	130.5	129.2
Explosives	195.5	196.0	120.9
Fertilizers	85.4	80.9	82.5
Paint and varnishes	137.6	138.9	128.5
Petroleum	131.0	139.0	133.5
Rayon and allied products	335.9	334.4	320.4
Soap	111.6	111.1	94.1

Data compiled by the Bureau of Labor Statistics for basic non- manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1939 average:—

	Employment—		Payroll totals.	
	1941. Jan.	1940. Dec.	1941. Jan.	1940. Dec.
Metalliferous mining	72.4	72.2	70.4	73.3
Quarrying and nonmetallic mining	41.3	45.5	36.2	42.8
Crude petroleum producing	60.2	60.9	56.5	55.8
Dyeing and cleaning	101.2	103.2	73.5	75.8

Employment in New York

Employment in factories producing chemicals and related products in New York State gained 0.2 percent from December 15 to January 15, but declined 2.0 percent in the city, according to the records of the State Department of Labor.

General factory employment increased 1.0 percent from December 15 to January 15 and payrolls increased 1.5 percent during the same period. The department's index of employment for January 15 was 102.5. The payroll index was 107.1. These indexes are based on the average years 1925-1927 as 100.

	Percentages— State.	City.
Drug and industrial chemicals	+2.0	— 2.4
Oil products	—2.5	— 3.3
Paints and colors	+0.1	— 1.1
Photographic and miscellaneous chemicals	+0.4	+23.2

Cadmium - Nickel Plating Company, 1400 Long Beach ave., Los Angeles, plans a new factory, to cost $20,000.

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Dyestuffs, Textile and Leather Chemicals

Shipping Difficulties and Costs Affect Far East Deliveries —Gambier, Myrobalans and Sago Flour Quotations Advanced —Cutch Extract Contract Price to Be Advanced April 1

Developments in the Far East held the spot light in the market for dyestuffs, textile and leather chemicals last week. Sharp advances occurred in some materials, which were affected by the increased difficulties in obtaining adequate cargo space, and higher freight and war risk insurance. Some sellers were reluctant to sell available spot stocks in view of the replacement uncertainties. A noticeable stepping up for nearby delivery was in evidence as consumers attempted to increase inventories. Prices were advanced for Gambier, myrobalans, and sago flour.

Gambier was in a tight position, spot stocks were small. The leather industry, working on government orders, may request priority shipping rights, since some delay may occur in filling defense contracts. Cutch extract, effective April 1, will be advanced fractionally and will include duty and charges for increased ocean freight and war risk insurance. Myrobalans were sharply raised to meet the increased shipping costs. Sago flour was affected by similar factors.

Chemicals moved fairly steady. Tanning materials were in good demand. Sizing materials, particularly imported products, were in better call. Natural dyestuffs were not experiencing any unusual activity because of the government defense program. Current business in many items was running ahead of a year ago, but this could be accounted for by the advance in prices in the latter part of 1939. Heavy buying at that time caused business to slump in the early months of last year.

Price Changes

Advanced

Gambier, common, ½c. per lb.
Singapore, cubes, ½c. per lb.
Myrobalans, J1, $10 per ton.
J2, $10 per ton.
Sago flour, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.0	153.2	153.8	144.3

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Routine shipments against contracts made up the call.

Alumina Chloride.—Market position firm, and business moderately active.

Ammonia Acetate.—Replacements fairly steady, and prices rule unchanged.

Ammonia Bichromate.—Dealings narrow. Prices remain firm.

Antimony Salt.—Market a dull affair. Prices failed to change.

Chrome Acetate.—Usual consumers made necessary purchases to keep market position favorable.

Potash Bichromate.—Shipments steady in most directions. Prices unchanged and firm.

Potash Prussiate.—Inquiry for yellow irregular. Prices lacked any alteration.

Soda Bichromate.—Withdrawals steady against contracts. Prices maintained a firm tone. December exports 1,918,846, valued $145,618.

Soda Prussiate.—Transactions routine. Prices without change.

Sulphonated Oils.—A steady to firm price tone prevailed. Buying steady. Olive and tallow were in a stronger position, reflecting firmness in primary materials. Castor was firmer.

Zinc Dust.—Market firm. Shipments confined to regular channels.

Dyestuffs

Annatto.—Small lots usually provided the call. Prices were the same.

Cochineal.—New business lacked broadening. Prices rule firm.

Fustic.—Dealings routine. Price-wise a firm tone predominated.

Hypernic.—Usual consumers made necessary replacements. Prices unchanged.

Indigo.—Interest light. Market retained its firm position.

Logwood.—Withdrawals moderate. Quotations unchanged and firm.

Madder Dutch.—Business dull. No change occurred in the prices.

Turmeric.—Market position tight, and sellers limited business. Prices firm.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Sizing Materials

Albumen, Blood.—Steady interest from regular consuming channels. Prices unchanged and firm.

Albumen Egg.—Domestic prices unchanged, little imported available and prices strictly nominal. Demand good.

Corn Sugar.—Bookings moderately active. Prices steady and unchanged.

Dextrin, Corn.—Prices remain the same, with inquiries and shipments fairly steady.

Egg Yolk.—Moderate demand. No change occurred in the prices.

Sago Flour.—Prices advanced ¼c. ranging from 3¾c. to 4¼c. per pound, reflecting higher replacement costs.

Starch Corn.—Withdrawals steady. No change disclosed in the prices.

Starch, Potato.—Domestic prices hold firm. Business irregular.

Starch, Rice.—No new price developments, with tone firm. Better inquiry.

Starch, Sweetpotato.—Prices nominal. New crop awaited.

Starch, Wheat.—Prices held the same, and tone firm. Business steady.

Tapioca Flour.—A firmer tone was in evidence, but prices held the same. Inquiries improved.

Tanning Materials

Chestnut Bark.—Shipments steady against contracts. Prices firm.

Cutch.—Effective April 1, 55 percent tannin material will be advanced ¼c. to basis of 4¾c., duty paid. Price includes increased ocean freight and war risk insurance.

Divi-Divi.—No change in prices, which range from $32 to $35 per ton.

Gambier.—Common ½c. higher at 7c. to 8c. per pound; Singapore cubes up ½c. ranging from 9c. to 10c. Spot position tight.

Hematine.—New business light. Quotations without change.

Hemlock Bark.—Steady interest from regular channels. Prices firm.

Mangrove Bark.—Market a routine affair. No change in the prices.

Myrobalans.—J1's up $10 at $45 per ton; J2's raised $10 to basis of $36 per ton, reflecting higher shipping costs.

Oakbark.—Shipments moderately active, and prices firm.

Osage Orange.—Not much expansion in business, with prices the same.

Quebracho.—A steady inquiry prevailed, and tone of market held firm.

Quercitron.—Prices steady to firm. Business spotty.

Spruce.—Consumers made fair size replacements to keep market firm.

Wattle Bark.—Prices firm at recently established levels. Moderate inquiry.

Soda Carbonate production is planned in Iran by the Ministry of Industries and Mines.

Rayon and artificial wool will be manufactured in Spain under the auspices of Snia Viscosa, Italian synthetic fiber company. The new plant will be put in operation in two years with a production capacity of 17,000 metric tons of synthetic fibers.

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Coaltar Chemicals

Production and Shipments Hold at Relatively High Levels —Toluol and Dimethylanilin Export Control Tightened —January Naphthalene and Toluol Output Lower

Shipments were fairly broad in the market for coaltar chemicals last week. Consumers in practically all major consuming lines were making steady withdrawals against contracts. Production continued at relatively high levels, removing any immediate shortage in basic supplies, however, a good many items were booked solidly. Toluol and dimethylanilin will be subject to tighter export control by the government, since they are included in the new list of items considered important to national defense. Prices remained at previous levels with the tone firm.

The production of byproduct coke during January amounted to 4,932,989 tons, an increase of 0.9 percent from December, 1940, and compared with 4,707,068 tons in January a year ago, according to the Bureau of Mines. Total stocks of byproduct coke plants stood at 1,596,718 tons on January 31, which was 16 percent lower than the previous month and represented ten days production. Byproduct coke was made at 85 plants, of which 80 made ammonia; 57 benzol; 53 toluol and 28 naphthalene.

Light oil recovery in January was estimated at 20,194,457 gallons, against 20,018,155 gallons in December, 1940, and 19,029,882 gallons in January a year ago. Tar production was approximately 61,218,853 gallons in January this year, compared with 60,684,407 gallons in December, 1940, and 56,688,489 gallons in January, 1940. Benzol output in January totaled 13,130,000 gallons, as against 12,528,000 gallons in December, 1940, a gain of 4.8 percent. January production of toluol was 2,381,000 gallons, a decline of 2.4 percent from the 2,439,000 gallons produced the preceding month. Naphthalene output during January aggregated 6,736,000 pounds, against 7,212,000 pounds in December, 1940, a decline of 6.6 percent.

Price Changes

Reduced

None

Advanced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol. — Shipments moved steadily against contracts, with tone steady to firm.

Carbazole. — Commitments usually routine, and prices displayed firmness.

Coaltar.—Crude and refined moved moderately to regular channels. Prices unchanged and firm. Exports during 1940 1,371,406 gallons, against 7,620,209 gallons in 1939.

Creosote Oil.—A satisfactory inquiry prevailed, and replacements were fairly steady. Prices underwent no change.

Cresols.—Buying movement continued good. Prices remain firm.

Cresylic Acid.—Various grades domestic met with a good demand. Pricewise a firm tone prevailed.

Naphthalene. — Crude shipments steady against contracts; better inquiry for refined. Price tone firm.

Oil, Shingle Stain.—New business light. Prices failed to change.

Phenol. — Withdrawals well sustained in all directions. Prices remain the same. Some export inquiry.

Pitch, Coaltar. — Market a routine affair. No change disclosed in the quotations.

Pyridin.—Shipments moved direct to consuming channels. Prices rule firm.

Tar Acid Oils.—Interest only moderate. Nothing new developed in the prices.

Toluol.—A steady demand prevailed against contracts to regular customers. Prices firm.

Xylol.—Business moderately active. A steady to firm price tone predominated.

Chicago Coaltar Bases

Coaltar bases are quiet and rather steady in this market, with most materials attracting considerable buyer interest. Demand for benzol has been good with most orders not very large. Inquiry is brisk for various products. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, nearby refineries, 8½c. to 9c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — Steady demand from regular channels. Prices rule firm.

Benzoic.—Shipments fairly steady. Prices unchanged and firm.

Broenner's. — Moderate interest. Prices display firmness.

Cleve's.—Routine demand against contracts. Prices firm.

Fumaric.—Inquiries and shipments hold up well, while prices remain the same.

Gamma. — Purchases in line with nearby needs as a rule.

H.—Market continued a routine affair. Quotations unchanged.

Laurent's.—Business irregular. No change occurred in the prices.

Maleic.—Withdrawals steady. Prices lacked any alteration.

Malic.—A moderate buying movement was in evidence, with prices firm.

Picramic.—No new price developments, demand steady to usual channels.

Picric.—Prices firm and unchanged. Inquiries good.

Salicylic. — Commitments fair and tone of the market was firm.

Succinic.—Steady to firm price tone. Demand irregular.

Sulphanilic. — Demand for technical moderate, and prices without change.

Tobias.—Shipments steady. Pricewise a firm tone prevailed.

Other Intermediates

Alphanaphthol. — Steady movement to regular consuming channels.

Alphanaphthylamine. — Prices firm. Shipments continued satisfactory.

Anilin.—A good buying interest was prevalent, and market displayed firmness.

Anthraquinone. — Dyestuff manufacturers exerted a favorable interest to keep market in firm position.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Benzaldehyde. — Inquiries for technical were moderate, and prices rule firm.

Benzidin Base. — Business moved in routine manner against contracts.

Betanaphthol. — Buying fairly steady, and prices lacked any change.

Betanaphthylamine. — Usual consumers provided market with satisfactory replacement orders.

Diethylanilin.—Steady to firm price tone, with dealings moderate.

Dimethylanilin. — Shipments moved steadily, and prices were firm.

Dinitrobenzene. — Market position firm, and business steady.

Dinitrochlorobenzene. — Moderate buying. Prices without change.

Dinitronaphthalene. — Firm price tone, with spot and contract shipments fairly steady.

Dinitrophenol. — New business only moderate, and prices remain the same.

Dinitrotoluene.—Market retained its firm position, and dealings were steady.

Diphenyl. — Transactions spotty. Prices unchanged and firm.

G. Salt.—Business routine. Prices without change.

Metanitroparatoluidin. — Small quantities continued to make up the call. No change in the prices.

Nitrobenzene. — Withdrawals moderately active. Prices rule firm.

Nitronaphthalene. — Spot and contract business steady. Prices unchanged.

Orthoanisidin. — Purchases moderate. Prices lacked any change.

Orthochloroanilin. — Business continued fair, and prices were the same.

Orthocresol.—A steady demand; a firm price tone prevailed.

Orthodichlorobenzene. — Business steady from regular consuming channels.

Orthonitroanilin. — Prices unchanged and firm. Buying moderate.

Orthonitrotoluene.—Firmness characterized the trading, and interest continued steady.

—*Continued on page 40*

Pulp and Paper Ass'n Technical Materials And Processes Discussions Summarized

(Continued from February 24 issue)

Summaries of discussions at the meeting, February 17 to 20, of the Technical Association of the Pulp and Paper Industry, begun in last week's issue, are continued below.

Trend in Resins

"The Trend in Resins" was the title of a paper presented by J. F. Maguire and J. G. Rote, jr., of the Reichhold Chemicals Inc., Detroit. The authors stated that the addition of 20 to 25 percent of resins developed for use with paraffin wax improve the appearance and quality of wax coatings. These resins are stable under heat and have good color, odor and taste. Tests show them to be nontoxic. Improvements have been made in resins used for hot melts; and coatings can be produced having a good luster, heat sealing properties, and resistance to blocking, the authors said. The temperature required for application has been reduced to 250 deg., F. Hot melt adhesives have been prepared having good flexibility, water resistance, and nontoxic properties, the report said.

Urea resins have been formulated to increase the wet strength of paper and also to produce glossy, flexible, grease, water and solvent-resistant coatings. Alkyd resins used as emulsions or dissolved in organic solvents have found little application in the paper field but water-soluble alkyds may prove to be of interest as a beater size for special purposes, as they are readily precipitated by acids. They can be incorporated into casein, starch, or glue coatings to improve the toughness and adhesion. The softening point of resins must be carefully controlled, particularly when used for hot melt coatings, it was held.

Urea Formaldehyde Resins

"Use of Urea Formaldehyde Resins for Wet Strength Paper Production" was discussed by Philip B. Taft, of the Resinous Products & Chemicals Company, Philadelphia. He explained that urea formaldehyde resins are made by reacting the two components under proper concentration, pH, pressure, and heat. As the reaction proceeds, viscosity and molecular weight increase, water solubility decreases, he said. These resin "intermediates" can be transformed to a hard, colorless, odorless, and tasteless resin. Their use in textiles for stabilization against shrink and stretch is comparable to their use for wet strength paper production. Wet strength results when such resins are "cured" or transformed to their inert, insoluble state, under the influence of the proper pH, concentration, temperature, and time. Of these factors, one or more may be minimized provided another is sufficiently exaggerated. This allows cure on the paper machine, he said.

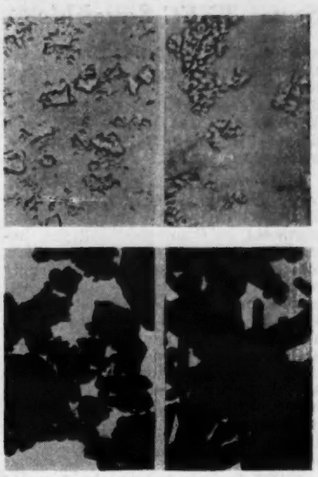
Tub sizing is more successful than beater application, he explained. Ammonium or aluminum salts are used as catalysts to produce the necessary pH. Aluminum salts are preferred for most applications, because they cause more rapid and more effective cure. A size consisting of 10 percent resin solids, 10 percent to 12 percent catalyst solids on resin solids, and tubbing at 130 deg. F., is recommended for satisfactory size stability and for effective results on the machine.

Starches have an additive effect and glycerine detracts from wet strength development. Plasticizing is difficult and involves a varied treatment, although sugars and certain emulsified products have been of interest. Recovery of broke is carried out in the normal manner, unless the resin be cured. It is difficult to recover this broke.

The wet strength feature is the result of a reaction between cellulose and the urea formaldehyde condensate which reduces the tendency of the cellulose to swell and the sheet to disintegrate, he concluded.

(To be continued)

Their Names Got Mixed



This is **Micro-Ground Calcite**

This is **Precipitated Calcium Carbonate**

Photomicrographs above; electronmicrographs below.

(See OPD for February 24, page 38)

U.S. Helium Plant Expansion Fund Asked

An appropriation of $525,000 to improve the helium plant in Amarillo, Tex., and to increase its output has been asked of Congress by President Roosevelt. Part of the appropriation would also be used to investigate helium gas resources.

KOPPERS

COAL TAR SOLVENTS

BENZOL—ALL GRADES
TOLUOL—INDUSTRIAL AND NITRATION
XYLOL—10° AND INDUSTRIAL
SOLVENT NAPHTHA—INCLUDING HIGH FLASH

Services of the Koppers Laboratories are always at your command

OTHER KOPPERS CHEMICALS and SOLVENTS

Phenol (82% and 90% Purity)... Cresol (U.S.P., Resin and Plasticizer Grades)... 3° Meta Para Cresol... Cresylic Acid—(99%, pale, low-boiling—99%, pale, high-boiling)... Naphthalene Shingle Stain Oil... Refined Tars... Tar Acid Oils... Pitch Coke... Industrial Coal... Tar Pitches... Flotation Oils... Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials... Waterproofing and Dampproofing Materials... Tarmac Road Tar Materials... Bituminous-base Paints... Coal... Coke... Tanks and Tank Work... Removal and Recovery Systems... Gas Plants... Fast's Self-aligning Couplings... American Hammered Piston Rings... Pressure-treated Lumber

KOPPERS COMPANY · PITTSBURGH, PA.

Price-Maintenance Spurs TNEC Squabble

—Continued from page 5

tract law, and supported this with a brief by Corwin Edwards, antitrust division economist. In reply, Senator Tydings appeared before TNEC and defended the law and the practice of price-maintenance.

Since then TNEC has released another monograph, "Problems of Small Business," prepared jointly by the Department of Commerce and the Securities and Exchange Commission, which also has a chapter criticizing price-maintenance. The study concludes that resale price-maintenance is not in itself a major economic evil; although price-maintenance devices are bad both in practice and in principle. The study, however, cites reasons given by the advocates of price-maintenance, including the fear of independent dealers that without it national distributors would obtain monopolistic power.

TNEC is now holding hearings at which government departments are invited to make their suggestions on what should go in the final report to Congress in April. So far there has been no indication whether the members of TNEC itself will take any stand on resale price-maintenance.

DuPont to Sell Plant In Carrollville, Wisconsin

Wilmington, Del., Feb. 28, 1941

The Carrollville, Wisconsin, plant property of E. I. du Pont de Nemours & Company, located on the west shore of Lake Michigan approximately twelve miles south of Milwaukee, will be offered for sale. There are fifteen buildings in the plant with a floor space of 367,000 square feet. These are of brick and steel construction, Approximately sixty-five acres are included in the plant area and there are 159 acres adjoining, which are undeveloped.

Aluminum Company of America, Pittsburgh, has purchased a part of the property of the Crane Foundry Company, Bridgeport, Conn., to expand present capacity for manufacture of airplane parts.

Coaltar Chemicals

Other Intermediates

—Continued from page 39

Orthotoluidin. — Replacement buying held up well to keep market firm.

Parachlorophenol.—Demand spotty. Pricewise a firm tone predominated.

Paranisidin. — Trading was conservative, and prices underwent no change.

Paranitroanilin. — Usual consumers made necessary replacements as a rule.

Paranitrochlorobenzene. — Business moderate and prices without change.

Paranitrotoluene. — Prices rule firm, and takings fairly steady.

Paratoluidin.—No change occurred in the prices, while transactions were moderately active.

Phthalic Anhydride. — A good demand remained in evidence. Prices unchanged and tone firm.

R. Salt.—Market a routine affair. Prices unchanged.

Thiocarbanilide. — Withdrawals steady from usual channels. Prices display firmness.

Toluidin, Mixed. — Prices firm. Buying steady against contracts.

Xylidin, Mixed.—A fairly steady inquiry prevailed. Prices failed to change.

Coaltar Colors

A fairly steady movement of coaltar colors was evident last week. The textile industry among others were making fair size replacements against contracts to keep market in a firm position. Export business was not particulary active.

Imports of artificial indigo into Egypt during the first half of 1940 increased to 88,687 kilograms, against 58,084 kilograms in the corresponding period a year ago. Other coaltar colors, dried or in paste, during the first half of 1940 amounted to 368,449 kilograms, compared with 248,003 kilograms in the previous year. The United Kingdom and France supplied the bulk of the shipments.

Coaltar Pitch Freight Rate in N.Y. Reduced

The New York Public Service Commission has approved new commodity freight rates of the Delaware, Lackawanna & Western railroad on coal tar pitch, in tankcars, minimum weight subject to Rule 35 of Official Classification, from Syracuse and Solvay to stations on Buffalo and Syracuse divisions 7½c. per hundredweight. Reductions ranging from 2½c. to 11½c.; Of the New York Central railroad on the same commodity, from Syracuse to Black Rock, Harriet and Buffalo stations 7½c. per hundredweight. Reductions from class rates. Effective March 15, 1941.

Tar Acids Leaflet Issued

Acids from coaltar, used in the manufacture of resins, plastics, disinfectants, soaps, printing inks, cutting oils, paint and varnish removers, are discussed in the leaflet, "Koppers Tar Acids," published by the tar and chemical division of the Koppers Company, Pittsburgh. Specifications for various tar acids are given in a table.

U.S. Aluminum Project Loan Now $20,000,000

—Continued from page 3

aluminum annually, and the Bonneville plants a capacity of 60,000,000 pounds annually.

Mr. Jones also announced that the Defense Plant Corporation, RFC subsidiary, is furnishing about $10,000,000 for the building of a sheet mill at Sheffield, and about $3,000,000 for an extrusion plant at Louisville, Ky., which will produce such aluminum products as bars, hollow tubes, and rods. Both plants will be leased to Reynolds.

Export Managers Club will hold its twenty-first annual "get-together" at the Hotel Pennsylvania, this city, March 25.

Low Temperature Carbonisation, Ltd.
ENGLAND

Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.

A considerable proportion of the output is already being exported to North and South America for disinfectants, germicidal products and plastics, in addition to the special high efficiency flotation grade for the mining industry.

This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.

Please send us a note of your requirements with full particulars to our Sales Agents:—

TAR RESIDUALS, LTD., "Garthlands," Reigate Heath, SURREY, ENGLAND

REPUBLIC BENZOLS

1° - 2° - 90% - MOTOR

REPUBLIC STEEL

ALSO

TOLUOLS Nitration-Commercial

XYLOLS 3° — 5° — 10° — Commercial

SOLVENT NAPHTHA • AMMONIUM SULPHATE

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL
CORPORATION
General Offices • Cleveland, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Cleveland, Ohio • Warren, Ohio • Youngstown, Ohio
Canton, Ohio • Massillon, Ohio • Gadsden, Alabama • Birmingham, Alabama

These exclusive features of

J & L CXP BENZOL

increase your production, cut processing costs and assure you a better product

Here is a Benzol completely free of corrosive compounds—that will keep your stills running on a continuous maximum production basis—with fewer shut-downs for cleaning.

J & L CXP Benzol is made by an exclusive process giving it a high degree of purity that marks it as one of the outstanding chemical achievements of the day.

You are assured better distilling operations, lower operating costs and increased production by using J & L CXP Benzol — always uniform and always consistent.

J & L CXP Benzol has the following critical properties guaranteed — Freezing Point 5.30° C — Boiling Range, less than 1° C — Bromine Index 3.

Write us on your letterhead and we shall be glad to send you a free sample of J & L CXP Benzol.

JONES & LAUGHLIN STEEL CORPORATION
AMERICAN IRON AND STEEL WORKS
PITTSBURGH, PENNSYLVANIA

J&L STEEL

Paint, Varnish, Lacquer Materials

Paint Materials Continue to Move Out at Good Rate — Alkyd Dispersion Alkali Blue Toner Reduced — Domestic Casein Lower—Naval Stores Steady

Raw paint materials continued to move out at a better than seasonal rate last week. Deliveries of various pigments were a bit slower but market activity remained more than satisfactory to most producers. Dry colors also were very active, contract call being insistent. Sole change was a reduction in alkali blue toner for dispersion in alkyd resins.

Casein remained weak and domestic material again was lowered. Prices on Argentine casein will probably be advanced April 1 when the freight rates from South America are raised $4 per ton. Imports of foreign casein into the United States during 1940 totaled 24,522,520 pounds, valued at $1,243,480, compared with 1939 imports of 15,832,462 pounds, valued at $885,784.

Changes in rosin and turpentine were generally within narrow limits, prevailing tone being steady. An improved demand for the latter was reported in some quarters. Business in rosin was limited to comparatively small or moderate quantities.

Sharply higher spot prices on all kinds of shellac were the result of total disability and inability of dealers to get cargo space on ships making the Calcutta-New York passage. Space has been booked weeks ahead and at this time there is no way to know how much if any shellac will reach here during the balance of the year. Prices were practically nominal at the close of the period.

Price Changes

Advanced

Rosin, gum, 1c. to 4c. per 100 lbs.
Shellac, T.N., 4c. per lb.
superfine, 4½c. per lb.
bonedry, 2c. per lb.
Turpentine, gum, 1¼c. per gal.

Reduced

Blue, alkali, toner, alkyd dispersion, bbls., 5c. per lb.
Casein, dom., ½c. per lb.
Ethylcellulose, 5,000 lbs., 2c. per lb.
less than 5,000 lbs., 1c. to 3c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.0	128.0	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

A strict policy of allocation was continued in the sale of slab zinc. Only 922 tons were sold in week ended February 22, the lowest since July 6, 1940, when 850 tons were sold. Reports that the Army had again increased its estimated needs for cartridge brass further complicated the acutely tight zinc market picture. Price was firm. Lead sales were satisfactory at unchanged prices.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from February 22 to February 28, inclusive, were as follows:—

	Pigs — Per pound — New York.	Pigs — Per pound — E. St. Louis.	Spot. London. Per ton £ s. d.
Saturday	$0.0565@.0570	$0.0550	..* .. ..
Monday	.0565@.0570	.0550	.. .. ..
Tuesday	.0565@.0570	.0550	.. .. ..
Wedn'sd'y.	.0565@.0570	.0550	.. .. ..
Thursday	.0565@.0570	.0550	.. .. ..
Friday	.0565@.0570	.0550	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from February 22 to February 28, inclusive, were as follows:—

	Slabs — Per pound — New York.	Slabs — Per pound — E. St. Louis.	Spot. London. Per ton £ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0675	.0725	.. .. ..

* London exchange closed.

Pigments

Antimony White.—Fair call. Offerings limited. Price firm.

Flake White.—Normal movement. Price steady.

Litharge.—Steady movement into consumption. No change in quotations. December exports from the United States totaled 231,102 pounds, valued at $13,612.

Lithopone.—Shipments fairly large and regular. Price firm. December exports totaled 4,580,200 pounds, valued at $179,103.

Paint, Varnish, Lacquer Sales: January

The value of paint, varnish, lacquer and fillers sold in January as reported by 680 establishments to the Bureau of Census, was $34,604,629. Details of sales reported by these establishments and comparative data for 1940 follow:—

1941.	Total sales reported by 680 establishments.	Classified sales reported by 580 establishments — Trade sales of paint, varnish, and lacquer.	Classified sales reported by 580 establishments — Industrial sales — Total.	Industrial sales — Paint and varnish.	Industrial sales — Lacquer.	Unclassified sales reported by 100 establishments.
January	$34,604,629	$16,314,158	$15,092,044	$10,777,855	$4,314,189	$3,198,427
1940.						
January	$28,666,635	$13,549,867	$12,317,340	$8,369,445	$3,947,895	$2,799,428
February	26,537,573	13,042,764	11,146,277	7,584,649	3,561,628	2,348,532
March	31,592,093	16,144,606	12,639,821	8,681,802	3,958,019	2,807,666
April	37,656,396	20,188,957	13,849,728	9,851,848	3,997,875	3,617,718
May	43,463,222	24,943,448	14,150,310	10,146,311	4,003,999	4,369,464
June	37,897,861	21,718,418	12,582,231	9,052,581	3,529,650	3,597,217
July	35,558,589	19,573,840	12,732,238	9,611,083	3,121,150	3,247,507
August	36,441,511	19,302,985	13,651,210	9,703,492	3,947,718	3,487,366
September	35,327,356	18,416,711	13,458,969	9,237,834	4,221,135	3,451,676
October	39,179,174	19,688,441	15,953,121	10,759,348	5,193,773	3,587,612
November	31,892,256	15,115,083	14,048,944	9,578,789	4,470,205	2,728,229
December	28,309,155	12,520,208	13,434,963	9,141,234	4,293,729	2,352,987
Totals (year)	$412,515,812	$214,155,268	$159,965,142	$111,718,866	$48,246,776	$38,395,402

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Purchasing Agents Ass'n, May 26-29, Chicago.

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z1—Z2
60% SOLIDS—40% MINERAL SPIRITS

PARAMET SYNTHETIC RESINS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

SPECIALIZED NAPHTHA SOLVENTS THAT ARE DEPENDABLE AND UNIFORM:

SOCONY-VACUUM

SOCONY-VACUUM

SOVASOLS

SOVASOL No. 1 — Excellent General Rubber Solvent. Quick-Drying —Has Balanced Volatility.

SOVASOL No. 2—Fast-Drying Lacquer Diluent and Rubber Cement Solvent. Chemically Stable.

SOVASOL No. 3—Thinner for Lacquer, Lacquer-Enamel and Fast-Drying Varnish. Stable—Non-Corrosive.

SOVASOL No. 4—Varnish-Makers' and Painters' Naphtha for Quick-Drying Paints and Varnishes.

SOVASOL No. 5—Highly Refined, Colorless, Odorless Paint — Varnish Thinner.

SOVASOL No. 6—Excellent Paint Retarder. Safe, clear, free from objectionable odor.

Socony-Vacuum Oil Co., Inc.
26 BROADWAY, NEW YORK CITY

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Qualities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 BEEKMAN STREET, NEW YORK CITY

GOOD PAINTERS' CAPS are an asset to your business
By supplying your trade with good caps you emphasize your service with added good will.
Let us show you samples and quote on your next order.
Orders accepted for prompt or deferred shipment.
The Minnesota Specialty Co., Inc., 129 North 4th Street MINNEAPOLIS, MINN.
Manufacturers Painters' Caps and other Cloth specialties

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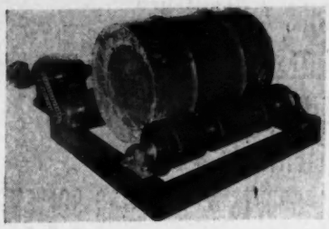
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Our Drum Rollers are built to fit any size or capacity drum, barrel or tank. Standard units are capable of rotating a 1000 pound gross load at 30 r.p.m. with a ¾ h.p. back geared motor. The rotating speed can be changed to suit individual requirements.
Rolls of proper width amply support the load, yet clear rolling hoops and bung openings. Flanged end wheels prevent injury from end play.
Send for Drum Roller and Drum Tumbler circulars and prices.
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STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
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• CHICAGO
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• KANSAS CITY
• DALLAS
• LOS ANGELES
• SAN FRANCISCO
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FRANKS CHEMICAL PRODUCTS CO.
BLDG. 9, BUSH TERMINAL — BROOKLYN, N.Y.

Secondary Butyl Alcohol
for BETTER AND CHEAPER
LACQUERS
STAINS
POLISHES
DETERGENTS
Sample and a copy of "Solvents Derived from Petroleum" available
STANDARD ALCOHOL CO.
26 BROADWAY - - NEW YORK, N. Y.

BRING YOUR SPECIAL EQUIPMENT PROBLEMS TO BRIGHTON!
You'll get practical, fairly-priced production equipment that's "tailor-made" to best do your work and to turn out your product by the most direct and economical means.
See Brighton for . . .
Extraction Equipment
Heating and Cooling Apparatus
Stills of all kinds
Varnish Kettles and Trucks
BRIGHTON COPPER WORKS
CINCINNATI, OHIO

Metronite Pigment.—Normal demand. Price unchanged.

Orange Mineral.—Market slightly less active. Inquiries fair. Price steady.

Red Lead.—Demand was less insistent during the period. Price was firm. December exports from the United States were 313,405 pounds, valued at $19,895.

Titanium Pigments.—Small pick-up in demand experienced by prominent suppliers. Prices firm and unrevised. December exports of dioxide and pigments totaled 925,853 pounds, valued at $74,508.

White Lead.—Fairly active market reported. Demand good. Prices steady and unchanged.

Zinc Oxides.—Shipments at high level. New business well maintained. Prices firm.

Fillers and Extenders

Asbestos.—Good call. Prices steady and unchanged.

Asphaltum.—Little of new interest. Demand fair and prices firm.

Barytes.—Normal movement in consumption. Prices steady.

Bentonite. — Routine deliveries. Tone stable.

Blanc Fixe.—Inquiries continued to become more numerous. Actual business routine. Prices firm and unchanged.

Chalk.—Quiet and unchanged.

Charcoal.—Satisfactory demand for softwood material. Deliveries normal. Prices steady.

China Clay.—Demand, offerings and prices at levels of preceding week.

Diatomaceous Earth.—Natural material moving in sluggish fashion. Fair call for purified type. Deliveries of chemically pure material routine. All prices firm and unchanged.

Fullers Earth.—Quiet. Price steady.

Graphite.—Fair call. No changes.

Gypsum.—Routine and firm.

Marble Flour.—Market quiet. Quotations steady.

Mica.—Small shipments. Deliveries regular and normal. Prices firm.

Pumice Stone.—Imported stocks unavailable.

Rottenstone.—Demand somewhat slack. Deliveries small. Prices firm.

Tripoli. — Normal trade reported. Tone stable.

Whiting.—Routine movement. The United States imported 112,000 pounds of whiting, valued at $555 during December. The United Kingdom was the sole supplier.

Woodflour.—Domestic grades in fair demand. Norwegian material unfavorable.

Driers

Stearates and palmitates were moving well during the week under review. Contract call was normal and there was a small spurt in the number of inquiries for the future. Actual new business was slack. Prices were firm and unrevised.

Dry Colors

Alkali Blue Toner.—Price of alkali blue for dispersion in alkyds was reduced 5c. per pound to 85c. for barrel delivery at New York. Alkali blue for dispersion in litho varnish was unchanged.

SICO
Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products
STANDARD ULTRAMARINE CO.
HUNTINGTON, WEST VIRGINIA

Shawnee DRY COLORS
Color Content Guaranteed
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

STANLEY DOGGETT, Inc.
ESTABLISHED 1878
MANUFACTURERS and IMPORTERS
DRY COLORS OF MERIT—QUALITY PIGMENTS
75 VARICK STREET, NEW YORK

ASBESTOS FIBRES For the PAINT TRADE
ASBESTOS CORPORATION OF AMERICA
90 West Street Telephone REctor 2-0656 New York

STEARINE PITCH
ANIMAL COTTONSEED AIR BLOWN
Re-Run to Specification
Uniformity of Melting Point, Penetration and Color Guaranteed
ALLIED ASPHALT & MINERAL CORP.
217 BROADWAY, NEW YORK FACTORY: DUNELLEN, N. J.
Agents and Warehouse Stocks in Principal Centers

Bone Black.—Good demand. Prices firm.

Cadmium Lithopones. — Fairly good call. Shipments normal. Prices teady.

Cadmium Red Selenide.—Quiet and firm.

Carmine No. 40.—Pick-up in consumption reported. Firm.

Chrome Colors. — Market active. Tone stable.

FILAC
CLEAN SOLUBLE NITRATE FILM SCRAP
HORN, JEFFERYS & CO.
BURBANK, CALIFORNIA
"Available in Flakes"

No. 3 Collapsible Tube Filler
(For Hand Operation)

This machine will fill tubes up to 1 in. x 5½ in. with any material ordinarily put in collapsible tubes. One turn of the handle puts the correct quantity in each tube. Larger tubes can be filled by adjusting the screw "C" for half the quantity desired and making two turns of the handle.

The nozzle "A" is made to suit tubes of different diameter and length. Special nozzles can be furnished for filling cans, jars or bottles.

ARTHUR COLTON CO.
2624 E. Jefferson Av., Detroit, Michigan

fresh!

CROSBY STEAM DISTILLED

Dipentene

You get Crosby Dipentene FRESH! It is run into new galvanized drums immediately after distillation. The mild, pleasant odor of Crosby Dipentene shows its high refinement. The narrow distillation range shows it's highly fractionated. Crosby Dipentene is manufactured under the same rigid technical control and with the same double-check laboratory tests that have given Crosby products national recognition.

Call on ROSBY for quality

Crosby Naval Stores, Inc.
Picayune, Mississippi

Carbon Black.—Good demand from rubber industry. Prices firm.

Fire Red Toner.—Normal business reported. Price steady.

Iron Oxides. — Demand satisfactory. Price steady. Exports of red iron oxide from Malaga to the United States reached 664,425 pounds, valued at $12,413 during December. Total for 1940 was 11,437,140 pounds, valued at $205,423.

Lacquer Maroon.—Fair call. Price steady.

Lamp Black. — Routine movement. No change in prices. United States exports in December totaled 220,299 pounds, valued at $18,758.

Lithol-Rubine Toner. — Normal demand. Price steady.

Mercuric Oxides.—Steady and unchanged. Demand improved.

Molybdate Methyl Violet.—Fair call. Tone stable.

Molybdate Victoria Blue.—Demand slow. Price firm.

Ocher. — Good call. Prices steady. Imported crude material hard to obtain.

Peacock Blue.—Slow but firm.

Siennas.—Market fairly active. Quotations unaltered.

Tungstated Victoria Blue.—Routine movement. Price firm.

Ultramarine Blues. — Contract call slower. Most consumers already stocked. Prices firm. United States imports in December, all from the United Kingdom, totaled 2,240 pounds, valued at $479.

Umbers.—Good interest in Turkey umber reported. Prices firm.

Vermilion.—Demand for quicksilver material continued to improve. Prices stable and firm.

Lacquer Materials

Buying was on a broad scale in the market for lacquer materials and solvents last week. Consumers continued to make good size replacements against contracts. Not a great deal was available in the spot market or for export. A large part of the export business passing in acetone was for the account of the United Kingdom and Canada. As announced late the preceding period, schedule for ethylcellulose was lower and simplified. Other prices held firm.

Acetone.—Volume of business held at good levels. Prices rule firm. December exports 3,672,886 pounds, valued $252,789.

Amyl Acetate.—Prices unchanged and firm. Business steady. December exports 27,544 pounds, valued $3,130.

Butyl Acetate.—Buying fairly broad. Prices retained their firmness. December exports 683,990 pounds, valued at $57,469.

Butyl Alcohol.—Demand moderately active against contracts. Prices rule firm. December exports 413,893 pounds, valued $30,655.

Cellulose Acetate.—Prices display firmness, while withdrawals were steady.

Dibutyl Phthalate.—A good inquiry prevailed, and prices were firm.

Ethylcellulose.—As announced late preceding week, prices reduced 2c. to 3c. per pound, making less than 5,000 pounds 47c. per pound and 5,000 pounds and over 45c. per pound.

Methylethyl Ketone. — Market in firm position, with shipments well sustained.

Shellac

Prices on shellac advanced sharply last week. The rise on spot exceeded that in Calcutta but in view of the forces activating the spot market at this time, the actual price of shellac in Calcutta had less than its normal importance.

Prices on spot advanced because importers found it impossible to get cargo space on ships making the Calcutta-New York passage. This lack of space extended into the far distant future and was in line with the fact that orders for burlap, jute and other Indian products have been piling up in Indian godowns for weeks past, being enlarged in ratio to the withdrawal of ships ordinarily serving the United States.

Minimum spot prices were: T. N., 20c. to 21c. per pound; superfine, 21c. to 22c.; garnet, 25c. to 26c.; D. C., V. S. O., Diamond I, 31c. to 32c.; bonedry, 28c. to 29c. It was not at all certain that dealers so quoting would book further business thereat.

when you want the quality

that will increase demand

formulate with Imperial colors

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division **GLENS FALLS, N. Y.**

The largest manufacturers of chemical pigment colors in America

Branch Offices and Warehouses:
Boston New York Philadelphia Cleveland Detroit Cincinnati
Pittsburgh Seattle Chicago St. Louis San Francisco
Baltimore Dallas Los Angeles Louisville

PICCO PRODUCTS

PICCOUMARON RESINS
HIFLASH NAPHTHAS
HIGH SOLVENCY NAPHTHAS

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Naval Stores

Conditions prevailing in Southern and local markets for naval Stores lacked material change last week. There were reports of some increase in the demand for turpentine in tank-cars but as a rule purchasing of that commodity and also of rosin was along the same conservative lines noted in recent preceding weeks in view of the uncertainty still prevailing concerning tax and other legislation at Washington as well as the absence of anything very encouraging in the war news from Europe. Reports from the South seemed to indicate that the movement to consumers on contracts previously placed was steady, however, and the opinion existed in some circles that a broadening of new business was certain to be witnessed in the not distant future as the defense program is steadily expanding with an increasing consumption of raw materials of various kinds, rosin and turpentine by no means excepted. Price changes were compartively small during the week and the ruling tone here and in the South was steady. Receipts in primary markets showed a further shrinkage. The government remained in the market as a supplier of rosin and turpentine.

Turpentine.—The local market was quiet much of the time last week. In some cases a rather better inquiry was noted but actual transactions were apparently limited as a rule to comparatively small quantities to fill current needs. The tone was steady.

SAVANNAH, Feb. 28.—Following is a record of the turpentine market for the week:—

	Gallons Cents.	Gallons Sales.	Barrels Receipts.	Barrels Shipments.	Barrels On hand.
Saturday*	..	...	...	...	...
Monday	33	100	12	190	9,373
Tuesday	33	250	160	33	9,500
Wednesday	33	...	5	...	9,505
Thursday	33½	200	3	...	9,508
Friday	33½	350	564	112	9,960

* No trading.

JACKSONVILLE, Feb. 28.—Turpentine stock 13,862 barrels.

PENSACOLA, Feb. 22.—Turpentine stock 10,292 barrels.

Chicago—Feb. 28

Turpentine quiet. Ruling prices at the close of business last night were:—Five-drum lots, 46c. per gallon; five wood barrels, 51c.; single drums, 49c.; single barrels, 54c.

Rosin.—Changes in quotations in the local market were generally unimportant last week, the tone being steady in company with developments in the South where receipts and offerings were light. Business here was quiet.

SAVANNAH, Feb. 28.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted—*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.57	$1.56	$1.56	$1.56	$1.56
D	...	1.65	1.65	1.65	1.65	1.65
E	...	1.65	1.65	1.65	1.67	1.67
F	...	1.66	1.65	1.65	1.67	1.67
G	...	1.65	1.65	1.65	1.67	1.67
H	...	1.65	1.65	1.65	1.68	1.68
I	...	1.70	1.69	1.69	1.71	1.71
K	...	1.90	1.90	1.90	1.90	1.90
M	...	2.01	2.01	2.01	2.01	2.01
N	...	2.11	2.11	2.11	2.11	2.11
WG	...	2.56	2.56	2.56	2.56	2.56
WW	...	2.76	2.76	2.76	2.76	2.76
X	...	2.76	2.76	2.76	2.76	2.76
	Barrels					
Sales	...	135	46	...	70	...
Receipts	...	463	313	56	17	740
Shipments	..	1,600	450	140	...	4,920
Stocks	...	...	...	...	...	163,717

* No trading.

JACKSONVILLE, Feb. 26.—Rosin stock 325,269 barrels.

PENSACOLA, Feb. 22.—Rosin stock 54,515 barrels.

Chicago—Feb. 28

Rosin is fairly active. Ruling prices at the close of business last night in five drum lots were:—B grade, $2.86 per 100 pounds net; G grade, $2.95; M grade, $3.31; W.W. grade, $4.06.

Other Naval Stores

Pine Oil.—Fair movement of moderate lots. Market steady.

Pitch.—Purchasing limited to comparatively small lots. Spot stocks light.

Rosin Oil.—No broadening of trade. Prices steady with raw material.

Tar.—Steady contract movement. New business quieter. Prices maintained.

Varnish Gums

Importers of natural resins reported there was slightly more activity in domestic markets last week. Demand for copals and dammars picked up somewhat. Prices were firm and unchanged at primary and local points. December imports of dammar gums totaled 1,664,806 pounds, valued at $101,027. Imports of copal gums were 3,231,891 pounds, valued at $189,984.

Synthetic Resins

The volume of shipments of synthetic resins was, for the most part, maintained at a high level during the week. Most contracts had been fulfilled but the market was still active. Ester gum movement was steady and normal. New business was small. Price was firm.

Glues and Binders

Casein.—Domestic material reduced ½c. per pound to 11½c. to 12½c. for car lots of 20-30 mesh and to 12c. to 13c. for carlots of 80-100 mesh. Argentine material unchanged. Freight rates from South America scheduled to be advanced $4 per ton on April 1.

Glues.—Hide glues very scarce. Posted prices unchanged, but sales made at much higher figures. Bone glues in good call.

N.P.V.L.A. Committees Are Formed for 1941

—Continued from page 5

Membership, class A, steering committee, H. B. Almond, of the McCloskey Varnish Company, Philadelphia.

Class B, steering committee, A. G. Schumann, of the Hilo Varnish Corporation, Brooklyn.

Memorial, W. S. Auchincloss, of the OIL, PAINT AND DRUG REPORTER.

Public Service, Mr. Trigg.

Roof coating division, executive committee, R. A. Gaines, of the Philip Carey Manufacturing Company, Cincinnati.

Save the surface, Charles W. Eastwood, of the Gutta Percha Paint Company, Providence, R. I.

Scientific section, Frank L. Sulzberger, of the Enterprise Paint Manufacturing Company, Chicago.

Tariff, T. J. Campbell, of the Valspar Corporation, New York.

Trademark, C. J. Caspar, of the Pittsburgh Plate Glass Vomant, Pittsburgh.

Trade sales, T. J. Campbell, of the Valspar Corporation, New York.

Traffic, E. A. Levielle, Transportation building, Chicago.

Unfair competition, Carl J. Schumann, of the Hilo Varnish Company, Brooklyn.

Plastic, Coldwater Paint Calcimine Sales Mixed

Sales of plastic and coldwater paints and calcimines reported by sixty manufacturers to the Bureau of Census for January, 1941, were as follows:—

Plastic Paints

	Pounds.	Value.
Paste	97,181	$7,400
Dry, casein bound	286,819	19,492
glue bound	141,155	7,813
Totals	495,155	$34,705

Coldwater Paints

	Pounds.	Value.
Exterior, lime or cement-bound	709,079	$41,880
casein bound	226,183	12,617
Interior, casein - bound, paste or semi-paste form	280,961*	288,218
dry-powder form	1,106,690	80,620
glue-bound	344,609	8,259
Totals	.....	$431,794

* Gallons.

Calcimines

	Pounds.	Value.
Hotwater	2,507,746	$105,949
Coldwater	2,353,532	102,198
Totals	4,861,278	$208,147

Sales of these products for January compared with the corresponding period of 1940 were as follows:—

	1941.	1940.
Plastic paints.....lbs.	495,155	532,848
value.	$34,705	$34,361
Coldwater paints..value.	$431,794	$202,744
Calcimines .....lbs.	4,861,278	5,656,533
value.	$208,147	$204,887

RAYOX—Pure Titanium Dioxide

RAYCAL—Titanium Calcium Pigment

SURFEX—Surface-Treated Calcium Carbonate

DURITE—Pure Phenolic Resin

PEERLESS CLAY—Domestic China Clay

RAYBAR—Titanium Barium Pigment

RAYSIL—Titanium Silicate Pigment

PYRAX—Ground Pyrophyllite

MULTIFEX—Colloidal Calcium Carbonate

THERMATOMIC BLACKS—Carbon Blacks of Low Oil Absorption

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EACH PRODUCT IS OF THE HIGHEST QUALITY IN ITS CLASS

R. T. VANDERBILT CO., INC. · 230 PARK AVE. · NEW YORK

Combination Deals Void N. J. Fair-Trade

—Continued from page 5

July, 1940, complainant entered into contracts with certain retailers in the State of New Jersey under the fair trade act and gave notice to 1,200 retailers of the soap, including the customers of the complainant, that it had established a minimum resale price for Woodbury soap. The action of the complainant was taken without the knowledge, consent, or approval of the owner of the trademark "Woodbury." It is conceded that the commodity is sold by drug and grocery stores in the State of New Jersey and that there are approximately 1,800 druggists and upwards of 4,000 grocers in the State. It is also not denied that the defendant has sold Woodbury soap at less than the minimum price established by complainant's contract.

There are two defenses asserted with respect to this cause of action: first, that since the complainant was not the owner of the trademark nor the exclusive distributor of the product, he could not, without the authority or consent of the owner, establish a minimum resale price under the fair trade act; and, second, that the complainant has not complied with the statute in that it has not given notice of the price restrictions to all retailers of the product, including the immediate competitors of the defendant. It is alleged that as a result those retailers who have received no notice, and who could not be shown to have had knowledge of the resale price were not bound by the contracts of the complainant.

Distributor May Fix Price

Were the first defense presented for the first time I would be inclined to sustain it. The history of the statute indicates a legislative intent to protect the good-will of the owner of a trade or other identifying mark. It was for this reason that fair trade acts were sustained by the Supreme Court of the United States in *Old Dearborn Distributing Company v. Seagram-Distillers Corporation, 299 U. S. 183, 57 S. Ct. 139, 81 L Ed. 109;* and our Court of Errors and Appeals in *Johnson & Johnson vs. Weissbard, 121 N. J. Eq. 585, 191 A. 873.* The act introduced into the law the concept that the owner of a trademarked article retained an interest in his commodity after he parted with ownership and that he was therefore entitled to protect his good-will by preventing the resale of his product below a fixed minimum price. These decisions should not be extended to one who does not own the trademark and who is not authorized to protect the good-will of the owner. However in *Schenley Products Co. v. Franklin Stores Co., 124 N. J. Eq. 100, 199 A. 402,* the Court of Errors and Appeals held that any distributor may fix prices under the statute. The California fair trade act was similarly construed in *Parrott & Co. v. Somerset House, Inc.* (California Superior Court), 3 *C.C.H. Trade Regulation Service, 8th ed., Paragraph 25,026,* although the complainant in that case actually had an exclusive franchise contract with the manufacturer. The court there said:

"The court does not join with counsel for the defendants in the fear of general disruption and confusion of the retail trade and of retail prices in the event that several wholesalers of the same product should set different prices by their contracts with their vendee-retailers. Such a possibility exists if the producer should fail to exercise the power given by the statute to fix prices when he makes the sale in the first instance, but preservation of the trade in any given commodity would dictate a different course. No doubt the producer would find means of preventing it once it had commenced."

I am not so sanguine that the matter can be thus lightly dismissed. Compare the comment in the recent decision of *Automotive Electric Service Corporation v. Times Square Stores Corp.* (December, 1940) (N. Y. Supreme Court, Special Term) (3 *C.C.H., Op. Cit. Para. 25,581*). The chaotic conditions which have already resulted from this statute are reflected by the decision of this court in *The Calvert Distilling Co. v. Gold's Drug Stores, 123 N. J. Eq. 458, 198 A. 536; Magazine Repeating Razor Co. v. Weissbard, 125 N. J. Eq. 593, 7 A. 2d 411,* and the situation which this case presents can only mean additional confusion. However, in this phase of the case I am bound by the decision of our highest court and I therefore hold that in the present posture of the law the complainant has a status to maintain this suit.

I deal now with the second defense to the first count. It has been pointed out that the statute is broad in its terms and that by establishing merely general principles the legislature has placed upon the courts the burden of interpretation and of judicial construction. In *Calvert Distilleries Corp. v. Nussbaum Liquor Stores, 2 N.Y.S. (2d) 320,* at *p. 324,* Justice Shientag aptly said:

"The statute should be construed to effectuate its complete purpose, which is not alone to protect the owners of brands, but also to protect the retailer and the consuming public as well. In construing and enforcing the statute . . . equitable principles must be applied suitable to the nature and purpose of the law involved. If the power conferred by the statute upon producers and owners to fix and enforce retail selling prices is not subject to equitable restrictions and safeguards imposed by the courts, then every retailer must hold his business life at the sufferance of producers and owners who may act arbitrarily and who may be actuated by favor or caprice. If equitable restrictions and safeguards may not be applied by the courts, then, instead of being a 'Fair Trade Act,' the statute would become an act to permit unfair trade and business practices."

Restraint Is Universal

With this statement I am in accord, and this court has heretofore applied equitable principles in its construction of the statute so as to avoid hardship or inequity. A manufacturer or such other person entitled to operate under the statute must subject all retailers selling his commodity to restrictions which are uniform, otherwise he permits discrimination between classes of consumers and classes of retailers. Except as the legislature itself may constitutionally provide, the fixed price must apply to all consumers alike, and this can be accomplished only by binding all retailers to maintain the same minimum price schedule. A manufacturer may not require or permit one group of retailers to sell at a fixed price leaving another group selling the same product free to pursue its own price policy. Similarly the manufacturer may not, except as permitted by statute (see 1940 amendment exempting libraries) set a different price for classes of consumers. The very description of the statute as a fair trade act carries with it the fundamental equitable concept that "equality is equity." Exemptions from price restriction cannot be left to the sole uncontrolled, arbitrary act of the manufacturer.

It is urged by the complainant that it did enough when 1,200 retailers were notified and that the defendant could itself notify competitors, if this be necessary. The manufacturer has the original option to sell his products in New Jersey without regard to the fair trade act, but when he elects to avail himself of the benefits of the statute he assumes the burdens which it imposes. The retailer does not generally know to whom the notice may or may not have been given. The legislature did not intend to cast upon him the obligation of ascertaining whether his competitors had knowledge of the existence of a price structure.

It is further urged by the complainant that a retailer in one section of the State does not directly compete with all others; that it would serve no purpose therefore to notify all retailers, and that the requirement is met by merely giving notice to the retailers in the competitive area of the defendant. The statute is statewide in its application, and the court cannot draw the line where competition begins in one section of the State and ends in another. The execution of one contract with a retailer in this State, no matter where he is located, is sufficient to bind all other retailers throughout the State, and this being so it cannot be said that the statute calls for a distinction as to competitive areas where the manufacturer or distributor has failed to bind all retailers to maintain the minimum price fixed by him. No effective fair trade policy has been adopted and the defense to this count will be sustained.

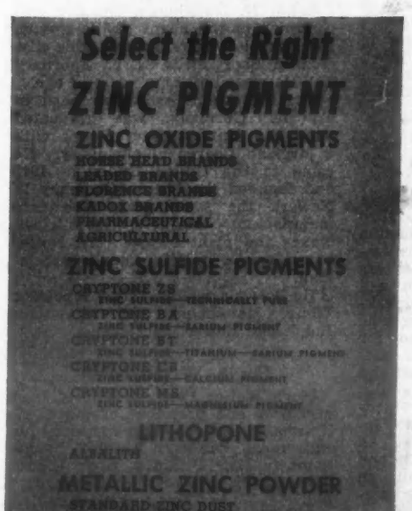
The second and third parts of the bill deal with so-called "combination packages." In each case the product was originally placed under the operation of the fair trade act by the owner of the trademark or his authorized agent, and no question is raised as to this issue or as to the sufficiency of notice to retailers.

The two products referred to in the

All 12* Can't Be Wrong!

about ZINC OXIDE Content

*NATIONALLY ADVERTISED BRANDS OF FIRST GRADE WHITE HOUSE PAINTS — AVERAGE ZnO 28.4%



In the competition to sell house paints, manufacturers of most brands (including nationally advertised products) are consistently relying upon adequate zinc oxide content. For it's a matter of record that the average zinc oxide content of 12 of the "leaders" (largest selling, national brands) is 28.4%.

You know your trade and what it demands. But don't overlook the fact that these 12 "leaders" have seen the wisdom of maintaining zinc oxide content sufficiently high, *regardless of basic type of formulation.*

To us that's significant but not surprising. For what else but high enough zinc oxide content will give any house paint not only greater durability and greatest protection against destructive ultra-violet rays, but improved dirt-shedding (self-cleansing) characteristics, color retention and mildew inhibition.

Of course, a lot depends upon the type of zinc oxide you will use. That's why we ask you to check our types: nodular, acicular, lead-free and leaded (blended or co-fumed) — "the most complete line" from which you will be able to select exactly the right kind for your formula.

THE NEW JERSEY ZINC CO.
160 FRONT STREET • NEW YORK, N.Y.

second cause of action have been combined as the result of an agreement between the manufacturers thereof permitting the sale of their respective articles in combination at a price less than the sum of the fair trade price fixed for each individual unit. The defense asserted to this cause of action is that the agreement between the manufacturers which gave rise to the combination is illegal both under the common law and the Sherman antitrust act, *15 U.S.C. 1.*

The fair trade act was adopted to legalize "vertical price-fixing." It permitted a manufacturer selling to a distributor or a retailer to exact an agreement that the trademarked product would not be sold at retail below a fixed minimum price. The statute does not validate agreements between manufacturers relating to resale price-maintenance, generally known as "horizontal price-fixing." At common law in this State these agreements were illegal, *Ingersoll v. Goldstein, 84 N. J. Eq. 445, 93 A. 193,* and with respect to articles passing in interstate commerce were prohibited by the Sherman antitrust act and the Federal Trade Commission act. *Dr. Miles Med. Co. v. John D. Park & Sons Co., 220 U. S. 373, 55 L. Ed. 502; Federal Trade Com. v. Beech-Nut Packing Co., 257 U. S. 441, 66 L. Ed. 307.*

Horizontal Agreements Illegal

At the time the fair trade act was passed in New Jersey, there was grave doubt as to whether it would apply to manufacturers engaged in interstate commerce. To permit such contracts involving interstate sales, Congress enacted the Miller-Tydings act as an amendment to the Sherman and the Federal Trade Commission acts. The amendatory statute provided, however, that it did not "make lawful any contract or agreement, providing for the establishment or maintenance of minimum resale prices . . . between manufacturers, or between wholesalers . . . or between retailers, or between persons, firms, or corporations in competition with each other." *15 U.S.C. 1* (as amended). A reading of this statute clearly indicates that agreements between manufacturers operating in interstate commerce, without regard to whether they are competitors, are illegal. The New Jersey statute which validates price-maintenance contracts provides that "This article shall not apply to any contract or agreement between wholesalers or between producers or between retailers as to sale or resale prices." *R. S. 56:4-4.*

Where horizontal price-fixing occurs there is no "fair and open competition" left to "commodities of the same general class as produced by others" as required by the New Jersey fair trade act. It has been so held with respect to a similar situation under the Ohio statute. *Rayess v. The Lane Drug Co.* (Ohio Court of Appeals 1940) *(3 C.C.A. Op. Cit. Para. 25,602).*

In view of the invalidity of the agreement, as a result of which the minimum resale prices of the articles involved in the second cause of action were established, the complainant is not entitled to relief.

In the third cause of action the complainant has set forth a list of products which it alleges are being sold by the defendant at less than the minimum resale prices fixed by the manufacturer or distributor thereof. It appears from the admitted facts that after the fair trade prices were established for the respective commodities, the manufacturer or producer thereof put out a combination package, one unit of which was the article listed in the complaint. One of these combinations is a result of an agreement between manufacturers, and this has already been dealt with in this opinion and in *Magazine Repeating Razor Co. v. Weissbard, supra.* The remaining exhibits take various forms. Some combinations are styled "2 for 1 combination" in which two identical products are combined to be sold at the price of one, or "1c sale combination," in which one unit of the combination bears the regular fair trade price and the other, identical in form and contents, is priced at 1 cent.

One combination package consists of three identical articles, the combination to sell at 49 cents. The fair trade price of each individual unit, if sold independent of the combination, is 19 cents. In every case the minimum resale price of the combination package is less than the total of the fair trade prices or other values of the individual products which are a part of the unit.

Cut-Price Deals Break Contract

All of the remaining exhibits fall into one of these groups with minor variations as to the form of the combination or a differential in price. They are all alike in that at least one of the units of the combination is price-fixed, and in every case the price of the combination package reduces the value of the individual unit for which a minimum resale price had previously been established. The manufacturer is attempting to enforce at the same time his two price schedules for the combination and the individual article. The evils of this practice have already been discussed. *Bathasweet Corporation v. Weissbard, 128 N. J. Eq. 135, 15 A. 2d 337.* This court held that the act of the manufacturer resulted in an abandonment of the minimum resale price which had been fixed for the articles which were a part of the combination.

It is urged by the complainant that the giving of discounts for the purchase of a quantity of merchandise is an established merchandising custom, and that sales in combination are quantity sales entitling the purchaser to a discount. The fair trade act "expresses a new business policy by the law-making body of the State." *Calvert Distillers Corp. v. Nussbaum Liquor Sores, supra; Bristol-Myers Co. v. Lit Bros., 336 Pa. 81, 6 A. 2d 843* (dissenting opinion). While some classification of retailers has been permitted, *Revlon Nail Enamel Corp. v. Charmley Drug Shop, 123 N. J. Eq. 301, 197 A. 661,* nevertheless exemptions to certain classes of consumers by way of discounts have been held to be a violation of the statute notwithstanding that the practice antedated the fair trade act. *Bristol-Myers Co. v. L. Bamberger Co., 122 N. J. Eq. 559, 195 A. 625, affirmed 124 N. J. Eq. 235, 1 A. 2d 332.*

The manufacturer himself recognized the vice of combination prices, for the very contract in this case prohibits the retailer from making any combination of the article, the effect of which is to diminish the fair trade price already established on the particular product. The same diminution occurs when the manufacturer markets a combination package in the forms described above. No relief can be granted where the manufacturer has abandoned his price structure. The application for an injunction will be denied.

Since there are no factual issues, the parties may mould their pleadings as if the matter were at final hearing and may present a decree in accordance with this opinion.

Tin Smelter Site Selected in Texas

—Continued from page 3

centrates coming from South America; and availability of barge movement of finished tin to market. The Grace Line, according to D. S. Iglehart, president, will establish a direct steamship service to transport the tin concentrates from Chile to Texas City. A desirable site was donated by the Texas City Terminal Company.

The smelter will be built by the Tin Processing Corporation, a New York corporation, a subsidiary of N. V. Billiton Maatschappij, of the Dutch East Indies, the principals in which are experienced in smelting Bolivian ores in England, as well as tin in the Dutch East Indies. The plant will be entirely owned by the United States government and operated for its account, with an option to take over or change the management at stated periods. The smelter will have a capacity of 50,000 tons of tin concentrates, or 18,000 tons of fine tin.

Tin Firm Executive Killed Enroute to Site of Smelter

Atlanta, Feb. 27, 1941

Bernard C. M. Van der Hoop, vice-president of the Tin Processing Corporation, this city, which is building this country's first tin smelter, in Texas, was among the seven killed when an Eastern Air Lines passenger plan crashed near here today. The forty-five-year-old executive was on his way to Brownsville, Texas, to supervise construction of the plant. C. M. Tappen, counsel for the Tin Processing Corporation, was critically injured in the crash.

N.E. Production Club Addressed on Vinylite

The February meeting of the New England Paint and Varnish Production Club was attended by sixty-five members and guests. George Priest, jr., of the National Paint, Varnish and Lacquer Association, as a guest speaker outlined the work of the scientific section laboratories and asked for closer cooperation between the section and the Federation of Paint and Varnish Production Clubs. He also announced that the publication "Handbook on Testing of Industrial Finishes" was ready to be released. C. W. Patton, of the Carbide & Carbon Chemicals Corporation, talked on "Vinylite Resins—Uses and Properties."

Baltimore Paint Salesmen's Club at its February meeting was addressed by George Sutherland, of the H. B. Davis Pairt Company, on "Modern Synthetic Paint Vehicles."

Obituaries

Sir Frederick G. Banting

Sir Frederick G. Banting, whose research and co-discovery of insulin won him a knighthood and the Nobel Prize, was killed in a plane that crashed in Newfoundland, February 21, while en route on a secret war mission to Great Britain. He was forty-nine years of age.

Sir Frederick began his research work on diabetes in 1920 and announced the discovery of insulin two years later at the University of Toronto, where he was professor of medical research at the time. He then received an annual grant of $7,500 from the Canadian government to continue his research at the Banting Institute Laboratory. After the outbreak of the present war the laboratory was turned over to research in aviation medicine, with Sir Frederick as chairman of the associate committee.

Frederic T. Manley

Frederic T. Manley, retired vice-president of the Texas Corporation, and co-developer of the oil-cracking method known as the Holmes-Manley process, died February 25 of a heart attack in Miami, Fla. He was sixty years of age.

Mr. Manley's affiliation with the Texas interests began thirty-seven years ago when he became a laborer for the Texas Company, the forerunner of the Texas Corporation, and now a subsidiary firm. For the past ten years he has been vice-president of the Texas Company and general manager of its refining department, in addition to his position with the corporation. He was a director of both firms. He was president and a director of the International Pipe Line Company, the Texas Can Company, and the Texaco Salt Products Company, vice-president and director of the Indian Refining Company and director of the Texaco Development Company.

George R. Meyercord

George R. Meyercord, chairman of the board of the Haskelite Manufacturing Corporation, Chicago, died February 22 in this city, of an abdominal ailment. He was sixty-five years of age.

A native of Illinois, Mr. Meyercord organized the Meyercord Company in 1894 for the manufacture of decalcomania transfer ornaments. Until 1935 he also was president of the Vitrolite Company, Parkersburg, W. Va., and was former president of the Illinois Manufacturers' Association. In 1939 he announced a new manufacturing process by which airplane fuselages could be turned out on a mass-production basis from wood fibers and synthetic resins molded under heat and pressure.

Among the survivors is George Meyercord, jr., president of the Haskelite Company.

Ralph N. Nottebaum

Ralph N. Nottebaum, founder and chairman of the board of the Noxon, Inc., chemical manufacturer, this city, died in Short Hills, N. J., February 27. He was sixty-nine years of age.

Mr. Nottebaum, who was born in Cologne, Germany, was graduated from the University of Bonn, with a Master's Degree in chemistry. He came to the United States in 1912 and founded the Noxon Company in Newark the same year. The firm manufactures cleaners, insecticides, waxes and plant sprays. Mr. Nottebaum was a widely known yachtsman.

He leaves a widow, Mrs. Leopoldine Weber Nottebaum, and two sons, Ralph and Edward Nottebaum.

Hugh W. Pearson

Hugh Walter Pearson, who was an organizer and president of the U. S. Kalsomine Company this city, until his retirement February 1, died in his home in New Brighton, State Island, February 25. He was sixty-three years old.

Born in London, Mr. Pearson came to the United States when he was fourteen years old. He started in the paint industry as a bookkeeper for the Muralo Company, paint manufacturer, New Brighton, Staten Island, and subsequently became general manager of that company. An organizer of the United States Kalsomine Company, he served as president of the company for twenty years. A member of the National Paint Varnish and Lacquer Association, Mr. Pearson at various times served on the steering committee of the calcimine and water paint division and on the entertainment committee.

Surviving are his wife, two daughters and four sons, Hugh, jr., Edward A., Arthur R. and Richmond H.

William A. Powell

William A. Powell, former secretary and treasurer of the Tiona Petroleum Company, Philadelphia, died February 20.

Mr. Powell started his career in the petroleum industry in 1916, the year in which he joined the Union Petroleum Company as treasurer. He continued with the Union Petroleum until 1923, when he joined the Tiona Petroleum Company. He retired early in 1940.

Francis L. Storms

Francis Lincoln Storms, secretary-treasurer of the Storms-Harvey Equipment Company, this city, died in his home in Brooklyn, February 21. He was seventy-three years of age. Mr. Storms had been in the paint and chemical machinery business for more than twenty years. He is survived by wife, a daughter and three sons, Edwin A., Robert N. and Donald H.

Capt. John Barneson, former vice-president of the Standard Oil Company of New York, and credited with building the first oil pipeline in California, died in Hillsborough, Calif., February 25. He was seventy-nine years of age.

Orville D. Eaton, president of the Hardright Corporation, brush manufacturer, Belleville, N. J., died in Cedar Grove, N. J., February 19. He was seventy-two years of age.

B. B. Howe, consulting engineer for the Barber Asphalt Company, Barber, N. J., died in Trinidad February 16.

William G. McIntyre, secretary and treasurer of the Paint and Oil Club of New England, died February 24.

Dr. Dayton C. Miller, an internationally known physicist, died in Cleveland, February 22. He was seventy-four years of age. He was a former president of the American Physical Society and served a term as a secretary and vice-president of the American Society for Advancement of Science.

Louis Moses, for sixty-six years an employee of Eimer & Amend, this city, died February 24. He was seventy-nine years of age.

James E. Pennypacker, managing director of the Asphalt Institute, this city, for twenty-two years, died at Delray Beach, Fla., February 25. He was sixty-three years of age.

John K. Reckford, president of the American Lead Pencil Company, this city, died of pneumonia February 20. He was forty-six years of age.

John T. Ryan, vice-president and general manager of the Mine Safety Appliance Company, Pittsburgh, died February 20. He was fifty-seven years old.

Carl F. Schwenker, president and founder of the Superior Color Company, this city, died at West Palm Beach, Fla., February 14. He was sixty-five years of age.

Donald M. Smith, president of the McKee Glass Company, Jeanette, Pa., died February 26. He was forty-nine years of age.

William H. Sprague, a salesman for the Johns-Manville Corporation in charge of the Houston, Tex., area, died in New Orleans February 14.

Albert Walker, president of the Ontario Dyeing Company, Philadelphia, died there February 16. He was seventy-five years of age.

Enterprise Paint Manufacturing Company, Chicago, recently adopted a group life insurance policy for the protection of 131 employees.

Oils, Fats, and Waxes

Cottonseed Oil Futures More Active at an Advance—Hogs and Lard Firmer—Copra and Coconut Oil Stronger—Crude Menhaden Oil Up — General Market Quiet

Business in miscellaneous vegetable, animal and fish oils, fats and greases continued quiet last week so far as the general list was concerned. An upturn in refined cottonseed oil and lard futures stimulated demand for some other oils and fats, but as a rule purchasing was confined to small quantities, many consumers still being disinclined to operate in advance of current needs in view of the prevailing uncertainty concerning tax and other legislation in this country, and the more or less disturbing political developments abroad. Offerings of many imported and domestic products were light throughout the week and the market in general had a firm tone, the price trend being upward although there were few actual changes. Quotations on some foreign commodities were nominal, offerings being withdrawn owing to the growing shortage of ocean tonnage, the upward tendency of freight rates and uncertainty concerning future supplies.

Price Changes

Advanced

Coconut oil, ¼c. per lb.
Copra, 3-10c. per lb.
Cottonseed oil, crude, ¼c. per lb.
Menhaden oil, crude, 2c. per gal.
Sardine oil, crude, 4c. per gal.

Reduced

Lard compound, 25c. per 100 lbs.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
119.0	**118.8**	**118.2**	**106.7**

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Castor, Dehydrated.—Steady contract withdrawals. New business good. Market firm.

Chinawood.—Firm at the recent advance. Increased inquiry reported here and on coast. Offerings continued light, spot and shipment. Importations at New York last week 2,135 drums.

Coconut.—Crude offerings withdrawn pending further developments abroad. Last sales reported at 3½c., tankcars. Copra nominal in absence of offerings. Ocean tonnage scarce. Freight rates tending upward. Refined oil firm. Fair inquiry.

Corn.—Increased inquiry for crude. Offerings light. Refined steady. Fair demand.

Cottonseed.—Edible quotations maintained. Tone steady. Demand fairly active.

Oiticica.—Inquiries received more numerously, spot and futures. Tone steadier.

Olive.—Stocks of all descriptions light or moderate. Future supplies uncertain. Tone steady or firm.

Peanut.—Quotations underwent little change. Offerings generally light. Inquiry more active.

Perilla.—Fair inquiry. Offerings light, spot and future. Tone firm.

Soybean.—Steadier with competing products. Beans in upward trend at times. Oil inquiry better.

Teaseed.—Supplies light. Tone firm. Quotations nominal. Fair inquiry.

There was no trading in soybean oil futures on the New York Produce Exchange, from February 22 to February 28, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	...	...	5.35@5.60
July	...	...	5.40@5.75

Markets at Other Centers

San Francisco, Feb. 25.—Coconut oil active. Most other vegetable oils quiet.

COCONUT.—Sales at 3⅛c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Sellers now holding firm at 3¼c. Copra, 1.90c. to 2c. Supplies scarce, owing to difficulty in obtaining steamer space.

CHINAWOOD.—Sellers quoting 26½c. per pound in tankcars, f.o.b. Pacific Coast ports; business moderate.

OITICICA.—Raw, liquid oil quoted 19c. per pound in drums, f.o.b. San Francisco. Tankcars, 18c. Market steady.

BABASSU.—Nuts very scarce. Quoted nominally 6c. to 6½c. per pound, tankcars. f.o.b. Pacific Coast mills.

COTTONSEED.—Domestic bleachable oil, 6¼c. per pound, tankcars, f.o.b. Northern California.

WALNUT.—Crude California oil, 7½c. per pound, tankcars, f.o.b. Pacific Coast.

SESAME.—Scarce. Quoted nominally 7½c. per pound, tankcars, f.o.b. Pacific Coast mills.

Chicago, Feb. 28.—Fair demand for vegetable oils.

COCONUT.—Refined, 8c. to 8¼c. per pound, drums, car lots; 8½c. to 8¾c., drums, less cars.

CORN.—Crude, low acid, 6¼c. to 6½c. per pound. Refined, 8¼c. to 8½c., drums, car lots.

SOYBEAN.—Crude, 5c. to 5⅛c. per pound.

The market for soybeans on the Chicago Board of Trade was easier early in the week and firmer later on in company with grain. Trading more active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing— Feb. 28.	Feb. 21.
Cash, No. 2..	96½	92⅛	....	93½
May	94	89¼	93¼	90⅛
July	90¼	86⅝	89½	87

Linseed Oil

Flaxseed irregular within moderate limits. Linseed oil and meal steady.

Flaxseed—DULUTH, July 28.—Keen crusher demand, due to increased defense projects, was largely responsible for firmness in flaxseed. The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.76½	$1.70
Monday	1.77⅛	1.70½
Tuesday	1.75½	1.68¾
Wednesday	1.76⅝	1.69¾
Thursday	1.76¼	1.69¾
Friday	1.76	1.69

Crop movement in bushels follows:—

	—Receipts— 1941.	1940.	—Shipments— 1941.	1940.
This week	20,338	100	.....	.....
Since Aug. 1..	6,142,981	4,372,664	4,356,642	3,962,958

MINNEAPOLIS, Feb. 28.—A steady and aggressive demand for cash flax prevailed and prices showed strength as compared with futures. Offers were much more liberal than the trade anticipated, though the late decline has resulted in dwindling shipping advices from the country.

Demand for diversion point offers good and virtually all of the northern seed went to the head of the lakes for accumulation to ship out early in the Spring. Speculative interest declined after the last sharp break in prices but sentiment still is bullish. Argentine news is an unsettling influence. Recovering of hedges against sales of stored flax helps to prevent any major decline.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.76½	$1.69½	$1.68½
Monday	1.77½	1.70½	1.69
Tuesday	1.75½	1.68½	1.67
Wednesday	1.76⅝	1.69¾	1.68½
Thursday	1.76¼	1.69¼	1.67⅝
Friday	1.76	1.69	1.67½

Crop movement in bushels follows:—

	—Receipts— 1941.	1940.	—Shipments— 1941.	1940.
This week	88,200	37,800	33,600	32,200
Since Sept. 1..	8,816,600	2,891,000	1,500,000	1,801,830

WINNIPEG, Feb. 28.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$1.57⅝	$1.60	$1.57⅝
Monday	1.57½	1.59⅛	1.57
Tuesday	1.57¼	1.59¼	1.56⅝
Wednesday	1.56⅞	1.58⅝	1.56½
Thursday	1.54½	1.56½	1.54½
Friday	1.56	1.57⅝	1.55¼

BUENOS AIRES, Feb. 28.—Flaxseed, April, 69⅞c. per bushel. Exports this week 165,000 bushels, all to the United States. Total since January 1, as follows:—

To—	—Bushels— This year.	Last year.
United States.....	1,901,000	3,674,000
United Kingdom.....	574,000	3,797,000
Continent	51,000	4,062,000
Orders	.....	598,000
Others	160,000	59,000
Totals	2,686,000	12,190,000

Visible Supply

	Bushels.
Last week.....	5,906,000
Previous week.....	5,906,000
Last year.....	4,724,000

Linseed Oil.—Variations in flaxseed quotations were generally within a narrow range last week and the market here for linseed oil had a steady tone, selling schedules being held by crushers at the levels ruling in the previous week. There were reports that some business was closed with paint makers early in the week but the quantity involved was apparently unimportant, many consumers still being inclined to hold off for further developments in the markets for other commodities as well as in political affairs abroad and in this country. Withdrawals on contracts were steady and liberal, the production apparently being moved out in sufficient volume to prevent any additions to holding at the mills. Demand for cash flaxseed was good. Advices from the Northwest concerning prospects for the next flaxseed crop were favorable. The surplus remaining in Argentina was officially estimated at 54,055,000 bushels. Arrivals at New York last week were 6,500 tons and 260,000 bushels.

MINNEAPOLIS, Feb. 28.—Demand for linseed oil is slightly improved. Sales

STEARIC ACID

Single Pressed and Double Pressed

Available in either cake or flake form

Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)

RUBY OLEINE BRAND *(distilled)*
STAR BRAND *(saponified)*
CANARY BRAND
(very pale yellow, especially suitable for best types of dry cleaners' soaps.)

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WHITE OLEINE
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CRUDE GLYCERINE 88%
TALLOW FATTY ACIDS
WHITE PALM OIL FATTY ACIDS

A. GROSS & CO.
Sales Office: 122 East 42nd St., New York, N. Y.
FACTORY: NEWARK, N. J.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

were limited by inability of sellers to make fresh commitments for early delivery. Tankcars, 8.8c. per pound; cooperage, car lots, 9.5c. per pound; warehouse lots, 9.9c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	3,100,000	2,960,000
Since Sept. 1	86,780,000	76,440,000

SAN FRANCISCO, Feb. 25.—Linseed oil quiet. Tankcars, 9c. per pound; drums, car lots, ex-mill, 9.7c.; drum lots, ex-warehouse, 10.1c.

Cake and Meal.—The market retained a steady tone. An increase was noted in the movement of meal.

MINNEAPOLIS, Feb. 28.—Linseed meal very quiet. Carload lots, $27.50 to $28 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	6,080,000	3,680,000
Since Sept. 1	215,461,000	116,700,000

YOUR INQUIRIES SOLICITED FOR THESE MATERIALS

FATTY ACIDS
(ANIMAL AND VEGETABLE ORIGIN)

STEARIC ACID

RED OIL
(OLEIC ACID)

WILSON & CO INC.

WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Cottonseed Oil

Trend of refined oil futures mainly upward. Trading more active. Southern markets for cottonseed products steady to firm.

Cottonseed Oil.—Trading in refined oil futures in the local market was more active last week and the trend of prices was mainly upward although there was more or less irregularity, due to liquidation on upturns by recent buyers as well as some short selling on a reactionary tendency at times in the markets for securities, lard and grain, which was attributed chiefly to labor troubles in this country and rather disturbing war news from abroad.

In the main, however, sentiment in oil trade circles appeared to be more bullish than was recently the case owing to the possibility that importations of competing oils may be materially reduced as a result of the ocean tonnage situation, the rising trend of freight rates and other import costs, the recent indications of increasing consumption of cottonseed oil and the talk of a further curtailment of cotton production.

Commission house business showed an increase. Trade interests were credited with purchases. Offerings of contracts were noticeably light at times. The open interest in the market on February 25 was 2,908 contracts as against 2,878 in the previous week and 2,805 in the week before that. Receipts of hogs in Western markets were comparatively light and the trend of hog prices in Chicago was upward. Soybeans were higher in the West and soybean oil was firmer, prices being advanced slightly by some sellers. Offerings of copra and coconut oil were withdrawn.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from February 22 to February 28, inclusive, comprised 695 contracts, a total of 41,700,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
March	6.52	6.23	6.47@6.49
May	6.62	6.33	6.59 sale
July	6.74	6.38	6.69@6.71
September	6.79	6.45	6.75@6.77
October	6.80	6.46	6.79@6.80

Crude, Southeast, .05½c.

Chicago, Feb. 28.—Cottonseed oil slow. Refined, edible, 7¾c. to 8c. per pound, drums, car lots.

Cake and Meal.—An increased movement of meal was reported in parts of the South. Offerings light. Spot quotations maintained.

Markets at Other Centers

Atlanta, Feb. 26.—Cottonseed meal more active; 8 percent, $25 to $25.50 per ton. Crude oil, 5¾c. to 5½c. per pound.

Memphis, Feb. 27.—Crude cottonseed oil quiet. Last sales at 5⅝c. per pound, Valley basis. Meal, 41 percent, $24.25 per ton, mill points. Bulk cake, $21.50 per ton, Valley basis. Bulk hulls $5 per ton, mill points. Buyers and sellers indifferent. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Feb. 20.	Feb. 27.
March	$23.25@23.50	$23.20@—
May	23.00@23.25	23.15@23.25
July	22.90@23.10	23.25@—
September	22.35@23.25	22.75@23.00
October	22.25@23.00	22.75@23.15

Closing soybean meal futures:—

March	$21.00@21.90	$21.50@22.00
May	21.00@22.23	21.50@22.00
July	21.60@22.00	20.75@21.00
October	21.60@22.00	20.75@21.30

Fatty Acids

Caprie Acid.—Steady at advance previously noted. Fair small-lot inquiry.

Castor Oil.—Increased request for moderate lots. Tone firm.

Coconut Oil.—Strength of basic material reflected in improved demand. Market firm.

Myristic Acid.—Quotations held at previous levels. Trade fairly active.

Red Oil.—Consumption reported on increase. New business moderately active.

Soybean Oil.—Buying conservative. Raw material steadier. Acid prices maintained.

Stearic Acid.—Contract movement continued steady. New business fairly active.

Chicago—Feb. 28

Fatty acids more active. Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcar; 8¾c. to 9c., drums, cars; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar; cottonseed oil, double distilled, 7c. to 7¼c. per pound, tankcar; 7½c. to 7¾c., drums, car lots; settled cottonseed soap stock, 60-62 percent basis, 2½c. to 2¾c.; boiled down soap stock, 65 percent basis, 3½c. to 3¾c.; cottonseed foots, 50 percent basis, 1⅜c. to 1½c.

Fish Oils

Cod.—Offerings scarce and quotations nominal. Occasional inquiries noted.

Menhaden.—Local refined prices held at former levels. Business quiet. Crude 2c. higher.

Sardine.—Refined oil prices firm with crude. Fair request for small lots. Crude 4c. higher.

Whale.—Consumers purchasing refined oil for current needs only. Market steady.

Markets at Other Centers

Baltimore, Feb. 26.—Crude menhaden oil quiet, only small lots being available. Recent sales in South made Baltimore basis, 37c. per gallon, tankcars. North Carolina fishing has ended for the season. Fishing will commence off Florida about middle of April; Chesapeake waters about middle of June.

San Francisco, Feb. 28.—Sardine oil bids reported of 49c. to 50c. per gallon for crude in tankcars. Northern fishing season closed. Southern California operations continue until end of March. Producers are sold ahead and it is doubted if there will be much "free" oil on the market.

Fats and Greases

Grease.—Moderate demand. Offerings generally light. Tone steady.

CHICAGO, Feb. 28.—Choice white grease, 4⅝c. to 4¾c. per pound; yellow, 4¼c. to 4⅜c.

Lard.—Domestic trade showed improvement. Price changes moderate.

CHICAGO, Feb. 28.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing— Feb. 28.	Feb. 21.
Cash	$6.25	$6.07	$6.25	$6.07
May	6.40	6.17	6.32	6.22
July	6.57	6.32	6.47	6.40

Stearin.—Occasional inquiries on spot. Offerings light. Market steady.

CHICAGO, Feb. 28.—Prime oleo stearin, 6c. to 6¼c. per pound.

Tallow.—Inquiries more numerous. Sales generally limited to moderate lots.

CHICAGO, Feb. 28.—Inedible tallow, prime, 4⅞c. to 5c.; special, 4⅝c. to 4¾c.

There was no trading in tallow futures on the New York Produce Exchange from February 22 to February 28, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	...	...	5.20@5.40
July	...	...	5.40@5.60

Animal Oils

Degras.—Purchasing generally conservative. Spot stocks light or moderate. Tone steady.

Lard.—Fair movement of moderate quantities. Prices unaltered.

CHICAGO, Feb. 28.—No. 1 lard oil, 7¾c. to 8c. per pound.

Neatsfoot.—Quotations maintained. Market firm. Trade fair.

Oleo.—Increased request for moderate quantities. Spot stocks light. Market steady.

CHICAGO, Feb. 28.—Extra oleo oil, 7c. to 7¼c. per pound.

Waxes

Bayberry.—Firm. Active in jobbing volume. Prices steady.

Bees.—Fairly firm in most respects. Bleached and refined yellow wax showing strength. Raw material was slightly easier. Large quantities African wax in primary market awaiting—probably in vain—shipment to Lisbon, Portugal. Demand steady.

Candelilla.—In excellent request. Complete price stabilization the rule.

Carnauba.—Definitely firmer in Brazil. Price differences of shippers much smaller. Shipping space getting tight. Freight advance to come April 1 amounts to ¼c. per pound. Belief in higher prices fairly general.

Japan.—Quiet but steady. Far Eastern situation strained. Substitutes would have to be provided in case imports from Japan should stop.

Drums Containing Olive Oil Are Dutiable as New

Imported iron drums containing olive oil should be invoiced as new drums and appraised at their foreign and dutiable value, the U. S. Court of Customs and Patent Appeals today ruled in a case brought by the C. H. Powell Company.

The importers claimed the drums should have been appraised as second-hand, uncleaned olive oil drums at a value slightly more than half of new drums. They contended that, although the drums were new when filled with olive oil in Greece, they were not new drums for appraisement purposes at the time of their importation into the United States. The appellate court upheld the lower tribunal in deciding that the character of the containers as new drums was not changed by importation, since they could not have become second-hand drums until the olive oil had been removed after their first importation.

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For the Pharmacist as a Tablet Lubricant
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BEESWAX
THEODOR LEONHARD WAX CO., INC. (Dept. A)
Haledon ESTABLISHED 1882 Paterson, N. J.

Bids Wanted

Acetylene:—Supplies as required during the period May 1 to April 30, 1942; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5523, opening March 27.

Alumina Sulphate:—30,000 pounds; Purchasing and Contracting Officer, Quartermaster Corps, Fort Belvoir, Va.; invitation 400-108, opening March 7.

22 tons; Quartermaster, West Point, N. Y.; procurement 1052-138, opening March 7.

Bauxite Ore:—50 tons; U. S. Engineer Office, First & Douglas sts., N. W., Washington, D. C.; serial 113, opening March 4.

Calcium Hypochlorite: — 30,000 pounds; Quartermaster Depot, Chicago, invitation 199-319, opening March 5.

Carbon Dioxide: — Supplies as required during the period May 1 to April 30, 1942; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5542, opening March 27.

Castor Oil:—2,000 gallons; Naval Supply Depot, Norfolk; schedule 3234, opening March 7.

Ethylene Chloride: — 100,000 pounds for Norfolk; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5596, opening March 4.

Floor Wax:—100,000 gallon cans for Norfolk; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5605, opening March 11.

Grease, Lubricating:—4,500 pounds; Commanding Officer, Raritan Arsenal, N. J.; invitation 172, opening March 4.

Gypsum, Calcined:—17,000 pounds; Naval Supply Depot, Norfolk; schedule 3251, opening March 7.

Linseed Oil:—7,000 pints; Commanding Officer, Raritan Arsenal, N. J.; invitation 173, opening March 7.

Mercuric Oxide:—20,000 pounds for Norfolk, Va.; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5561, opening March 7.

Methanol: — 10,000 gallons for Norfolk; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5596, opening March 4.

Methylene Chloride:—263,000 pounds for Norfolk; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 5596, opening March 4.

Paint Thinner:—532,000 gallons, mineral spirits, for various deliveries Navy Department, Bureau of Supplies and Accounts, Washington; schedule 5430, opening March 4.

Scouring Compound:—60,000 pounds; Procurement Division, Treasury Department, Washington; invitation 9682-83, opening March 5.

Soap, Hand Grit:—22,500 pounds; Procurement Division, Treasury Department, Washington; invitation 9684-83, opening March 5.

Powder:—57,600 pounds; Procurement Division, Treasury Department, Washington; invitation 9685, opening March 5.

Soda, Caustic:—5,000 pounds; Commanding Officer, Raritan Arsenal, N. J.; invitation 177, opening March 6.

Phosphate:—186,875 pounds, Procurement Division, Treasury Department, Washington; invitation 9687-83, opening March 5.

Sulphuric Acid: — 100,000 pounds; Navy Purchasing Office, 90 Church Street, New York; schedule 3720, opening March 7.

Thiosulphate:—14,000 pounds; Procurement Division, Treasury Department, Washington; invitation 9686-83, opening March 5.

Turpentine:—5,000 pounds; Commanding Officer, Raritan Arsenal, N. J.; invitation 176, opening March 6.

Ultramarine Blue:—2,000 pounds; Purchasing Agent, Bureau of Engraving & Printing, Washington; invitation BEP-951, opening March 6.

Yellow Toner:—1,000 pounds; Purchasing Agent, Bureau of Engraving & Printing, Washington; invitation BEP-951, opening March 6.

Zinc Oxide, Dry:—800,000 pounds, American process, for Norfolk, Va.; Navy Department, Bureau of Supplies and Accounts, Washington; schedule 5569, opening March 11.

1,400,000 pounds, American process, for Mare Island, Navy Department, Bureau of Supplies and Accounts, Washington; schedule 5569, opening March 11.

Drying Oils

Present Status — Future Prospects

By Gerald Eisenschiml

Scientific Oil Compounding Company

(Continued from February 24 issue)

Sardine Oils

Next to soybean oil the cheapest oils available in quantities are menhaden and sardine oils. Of the two, sardine oil is the more popular. It has a higher iodine value and less odor. Fish oils can be easily refined, but do not dry well by themselves at ordinary temperatures; after they have been made to dry, however, they give films of great durability.

The production of sardine oil has averaged about 2,500 tankcars (of 8,000 gallons each) a year during the last ten years. Its price is usually low, so that it can compete in the soap industry with tallow and other cheap fats. Of late, however, this picture has changed. Since the invasion of Norway, cod oil and codliver oil have become scarce, and producers of vitamin-feed materials are calling for a large percentage of the sardine oil marketed. This year, price conditions have been aggravated by strikes on the coast and short catches.

The amount of sardines which can be used for industrial purposes is regulated by the California Game and Fish Commission, which may direct at its discretion the amount of fish to be diverted from edible purposes. Floating crushing plants, so much in vogue a few years ago, have been prohibited by State legislation, and the sardines are being brought to shore in the old way by cruising fishing boats. The extraction of the oil is done in canneries located on dry land. The oil considered most desirable for the paint and varnish industry comes from fish caught between Monterey and San Francisco.

It has long been a puzzle to chemical investigators why fish oil with an iodine value of over 180 should have such relatively poor drying qualities in its natural state and at normal temperatures. Eventually it was found that fish oil was a mixture of glycerides of entirely different natures, some of them fast-drying and some of them nondrying or almost so. A relatively small percentage of the total fatty acids in the oil is responsible for its drying qualities, while the remainder is of less or no value along this line. The idea suggested itself, therefore, to undertake the segregation of the high iodine-value fatty acids and make them the basis of a synthetic oil with a high iodine value. This segregation is now being carried out on a commercial scale, and by re-esterifying this fatty acid it is possible to obtain oils with iodine values up to 250. For practical purposes oils of such extremely high iodine value are not always desirable, and the commercial oils do not usually reach this maximum.

We are still in the early stages of this new development, and it would be premature to express an opinion. It is claimed by some that films from these oils have a tendency toward brittleness; some of the manufacturers themselves recommend plasticizing their products with softer oils. Much work remains to be done in this field by both producers and consumers. Fish oils should offer good possibilities for synthetic oils on account of their high iodine values, but the uncertainty of the supply and its recent use in other and fairly high-priced fields are slightly discouraging. As only a small percentage of sardine oil fatty acids is valuable for the manufacture of synthetic drying oils, the total amounts available from that quarter naturally will be limited. In comparison, soybean oil can be had in almost limitless quantities and in districts closer to the centers of consumption, but unfortunately the iodine values of its separated acids are not so high as those of fish oil.

Linseed Oil

The next oil on our price list, as we head toward the top, is linseed oil, which today sells between 8 cents and 9 cents a pound. Potentially, the United States should be able at all times to grow enough flaxseed for its own domestic use, and although crops have often been disappointingly small, forcing us to import most of our seed, we can safely classify linseed oil as a domestic oil. In the last decade we have heard a great deal about soil exhaustion in the United States and Canada, and the fear has been expressed that our domestic output had definitely been reduced to between 7,000,000 and 10,000,000 bushels a year, against an average home consumption of about 30,000,000 bushels. That this assumption was not correct has been demonstrated by this year's crop, which the government estimates at over 30,000,000 bushels. A large quantity of oil can be made from such a crop, and research men have taken up their work on linseed oil with renewed zest, to see if all its possibilities in the varnish kettle had been properly examined.

So far as the refining of linseed oil is concerned, our crushers are offering such a variety of special oils—some thirty-odd grades—that it doesn't seem as if important future discoveries would lie in that direction. However, one recent notable addition is worth mentioning. Special linseed oils are now sold containing a small amount of a catalyst which shortens the bodying time of linseed oil in the kettle. The quickening takes place in the first stages of the cooking, and the bodying time is cut appreciably.

In spite of this step in the right direction, the bodying time of linseed oil still exceeds that of chinawood oil by a large margin, and this fact has proved a handicap to people with limited stack capacity. As a result, a demand for prepared heat-bodied linseed oils has sprung up, and oils of this type today can be bought more or less according to specifications.

If linseed oil is used in substitution for chinawood oil, it is necessary to combine it with high-quality resins to obtain satisfactory results. Whether such a combination can produce a film equal to that produced by wood oil varnishes is a matter of controversy. The cost of materials, the time consumed in producing the varnishes, the uses for which they are intended, and other factors play a part in this discussion.

Linseed oil also has been the subject of experiments in segregating its fatty acids. Very little is known about the results obtained so far.

There is one line of departure which would enhance the value of linseed oil by protective coatings, and that is the production of a flaxseed which would yield a linseed oil of a higher iodine value. The Flax Institute of America, which has done so much to combat the old prejudice about soil exhaustion and has a great deal of other valuable experimental work to its credit, is not overlooking this possibility. There are certain strains of flax which are high-iodine oil producers, but they have little resistance to the usual vicissitudes of a growing crop. The Flax Institute is now conducting experiments to grow various types of flax which may combine good resistance with high-iodine oil. If they should prove successful the outcome would be of decided benefit to the consumers of linseed oil.

Strong impetus has been given to this movement by the high-iodine linseed oils now produced in the virgin territories of California and other Western districts, all of which have produced very satisfactory crops in the last few years. Not only has the yield per acre been reminiscent of our early pioneer days in the Northwest—20 bushels per acre against recent yields of 7 to 10 bushels—but the quality of the oil has been excellent, running in iodine value as high as 190. Where only a short time ago the Pacific coast had to be supplied with linseed oil from outside sources, it now has a surplus, and considerable quantities have found their way into other centers. This oil is not only excellent in its raw state, but also lends itself easily to refining.

The time may come in the not distant future when we will not speak of linseed oil as linseed oil, but when we will differentiate between linseed oils of different qualities. A varnish formula calling for the use of linseed oil may specify a certain grade as characterized by its iodine value, or perhaps other characteristics, and may work satisfactorily only when the right linseed oil is used, while it may fail with linseed oil of an inferior quality.

The Flax Institute of America, it seems to me, has not received the praise to which it is entitled. It has carried the banner of flax planting through many discouraging years, prevailing again and again on the farmers of our Northwest not to abandon this crop. It must be a source of satisfaction to the members of this institute and to those supporting it, that its efforts have been crowned with success, and the entire nation should be grateful to these men—if for nothing else, than for this year's crop, which demonstrates that the United States can be self-supporting in regard to at least one important drying oil essential for national defense.

(To be continued)

Stroock & Wittenberg Has Seattle-Portland Agents

The Stroock & Wittenberg Corporation, this city, has named Carl F. Miller & Co. sales representative for its synthetic and natural resins in the Seattle, Wash., area, and its affiate, Miller & Zehrung Chemical Company, in the Portland area. Henry M. Lindau, technical service representative for Stroock & Wittenberg in California, will now include the Northwest in his territory to supplement the work of the new associates.

C. F. Miller

The Carl F. Miller & Co. was established in 1925 and since then offices have been opened in the principal cities of the State. The Portland office was opened last year under the name of Miller & Zehrung Chemical Company. Mr. Miller and Mr. Zehrung were associated in the natural and synthetic resins trade for many years before they formed their present organization.

Johann Chemical Formed

Johann Chemical Corporation, 156 Withers street, Brooklyn, has been formed for the sale and distribution of industrial chemicals, dyestuffs and fertilizer materials. The company will also manufacture a complete line of dyes for the fur industry. Arthur C. Johann is the president of the corpo-

Corporation Earnings Recently Reported

Company.	Period.	1940 Net income.	1940 Per share.	1939 Net income.	1939 Per share.
American Can Co.	12 Mos.	$17,440,906	$5.58	$18,284,964	$6.22
American Chicle Co.	12 Mos.	3,670,600	8.42	3,854,553	8.79
American Snuff	12 Mos.	1,376,500	2.67	1,536,365	3.03
A.P.W. Paper Co.	28 Wks.	*75,483	....	46,369	.29
Archer-Daniels-Midland Co.	6 Mos.	956,904	1.75	1,355,330	2.31
Blaw-Knox Co.	12 Mos.	1,360,747	1.02	954,424	.71
Bon Ami Co.	12 Mos.	1,339,393	3.65	1,481,772	4.01
Bristol-Myers Co.	12 Mos.	2,523,642	3.73	2,379,735	3.49
Celluloid Corp.	12 Mos.	282,176	....	202,826	....
Chickasha Cotton Oil	6 Mos.	124,421	.49	232,922	.91
Commercial Solvents Corp.	12 Mos.	2,387,321	.91	1,600,390	.61
Congoleum-Nairn, Inc.	12 Mos.	1,617,205	1.80	2,111,618	1.70
Container Corp. of America	12 Mos.	2,227,682	2.85	1,448,900	1.85
Continental Can Co.	12 Mos.	8,953,682	2.82	8,635,787	2.71
du Pont (E. I.) de Nemours & Co.	12 Mos.	86,945,178	7.17	93,218,664	7.65
Flintkote Co.	12 Mos.	1,436,550	2.10	1,432,383	2.11
Goodyear Tire & Rubber Co.	12 Mos.	10,309,788	3.44	9,838,797	3.20
International Salt Co.	12 Mos.	955,034	3.98	462,102	1.92
Lambert Co.	12 Mos.	1,173,054	1.57	1,261,836	1.69
Libbey-Owens-Ford Glass Co.	12 Mos.	9,992,766	3.97	8,062,752	3.21
Liquid Carbonic Corp.	3 Mos.	*136,449	....	*143,928	....
National Cylinder Gas	12 Mos.	1,183,374	.80	1,001,307	1.06
National Oil Products	12 Mos.	704,967	3.92	700,401	3.89
New Jersey Zinc Co.	12 Mos.	8,236,815	4.19	5,299,055	2.70
Norwich Pharmacal	12 Mos.	757,883	.95	783,282	.98
Parker Rust Proof	12 Mos.	1,077,339	2.50	957,515	2.22
Pennsylvania Salt Mfg.	12 Mos.	1,701,333	11.34	1,577,589	10.52
Scott Paper Co.	12 Mos.	1,736,522	2.22	1,885,692	2.66
Sharp & Dohme	12 Mos.	1,174,902	.43	902,271	.13
Staley (A. E.) Mfg.	12 Mos.	1,282,756	2.29	1,751,799	3.40
Standard Brands	12 Mos.	9,905,523	.71	7,356,308	.51
St. Joseph Lead	12 Mos.	5,917,286	3.03	5,855,502	2.99
Sun Oil Co.	12 Mos.	7,969,068	3.03	6,959,677	2.74
Texas Gulf Producing	12 Mos.	559,952	.63	614,670	.69
Union Bag & Paper	12 Mos.	2,129,946	1.67	965,532	.76
United Carbon Co.	12 Mos.	1,336,331	3.36	1,518,266	3.82
U. S. Gypsum	12 Mos.	7,052,974	5.44	7,258,233	5.62

* Deficit.

One of the

FIRST LINES OF DEFENSE is the MAINTENANCE OF HEALTH

The HEALTH of our ARMY, our NAVY and our CITIZENS is as important to the national welfare as arms and ammunition.

N. Y. Q. is doing its part by producing drug and chemical materials . . . not just up to standard quality . . . but above standard. Research is being carried on constantly to assure highest quality and to control manufacture from raw materials into finished substances.

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NYQ

16th Annual Drug Trade Dinner

Everybody will be there . . .

Have you made arrangements to attend the 16th Annual Drug and Chemical Trade Banquet on March 13, 1941 at the Waldorf-Astoria? The banquet this year will represent the largest gathering of executives in the drug, chemical and allied trades ever to meet at one place. In short,—"everybody will be there."

We suggest that you make your arrangements at the earliest possible moment with John C. Ostrom, care of New York Board of Trade, 41 Park Row, New York, N. Y.

Drugs, Fine Chemicals

Rains Curtail Quicksilver Output on Pacific Coast—Vitamin Oils Showing Strength Due to Scarcity—Demand Slows for Seasonal Items—Tartars Still Strong

New price developments were lacking in the market for drugs and fine chemicals last week. However, the market was firm in all respects and activity showed progress on an almost continuous rising curve. Movement of seasonal items from producers showed some tendency toward a decrease entirely natural as the winter period draws to a close. Call for deliveries from jobbers and distributors continued to hold in good volume.

Tartaric acid and all the tartrates displayed all of their recent strength and the tendency of all quotations remained strongly upward. Vitamins were all mainly placed in a position favorable for buyers, this due to rising production and constant increase in competition. Vitamin bearing oils, such as codliver, halibut, sharkliver, and the like, received increasing attention and prices appeared firm.

Of importance was an announcement made by marine risk underwriters covering war-risk insurance from and to the Far East. In the future, war-risk rates will not be fixed in advance for sailings in excess of seven days. Prior to this announcement, rates had been fixed for thirty days ahead of sailing date on payment of a premium over the regular rate. This action will affect numerous raw materials originating in the Far East.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
206.7	206.7	206.6	197.6

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Normal activity. Firm undertones. Outlook good.

Acid, Acetylsalicylic. — Movement maintained at full volume. Firm.

Acid, Ascorbic.—Receiving substantial attention from buyers. Steady.

Acid, Citric. — Market conventional at seasonal limits of volume.

Acid, Nicotinic.—Low prices stimulate market. Deliveries large.

Acid, Tartaric. — Strong in all respects. End of price rise not in sight. Raw material high in all foreign markets able to ship.

Agar. — Strengthened. Demand gains. Prices firmer.

Alcohol. — Consumption running to excellent figures. Prices show growing strength. No signs of easiness during period ahead. Raw material very firm.

Alphatocopherol. — Availability at lower prices a stimulant to trade.

Aloe.—Netherlands West Indies production, 1940, totaled 2,350 cases, against 4,400 cases in previous year. Exports were 3,100 cases. At end of 1940, 300 cases were on hand.

Aloin.—Very steady. Demand normal. No surplus stocks.

Aminopyrene.—Trade back to conventional volume. Steady market.

Ammonia Chloride.—Seasonal slackening of reordering from producers. Satisfactory season nearing end. Steady market.

Ammonia Phosphate.—N.F. offerings absorbed steadily. Very steady.

Amyl Nitrite.—Normal activity for U.S.P. goods. Ample supplies.

Berberine.—Moderate stocks. Firm prices. Irregular sales volume.

Bismuth Metal and Salts.—Normal sales volume. Metal prices firm. No exceptional supply of raw material. Prices very steady.

Borax. — Shipments moving up to contract commitments. New business scanned to eliminate speculative activity. Good export call.

Bromine and Bromides.—Activity holding well up to seasonal averages. Undertones show fair strength. No lack of stocks as yet.

Cadmium Metal and Salts. — Metal scarce and advancing. Prices about nominal. Need exceeds supply.

Caffeine. — Producers quote minimum at $2.60 per pound. Resale parcels around $7 per pound, named without offer and always subject to competition. Producers meet consumer needs with difficulty.

Calcium Gluconate. — Movement maintained at normal limits. Undertones steady.

Calcium Sulphocarbolate. — Moderate stocks in very firm price position.

Camphor.—Domestic synthetic firm and in lively movement.

Castor Oil.—Strengthening market corresponds with raw material position in Brazil. Reports indicate possible introduction of bean cultivation in Cuba. Excellent demand for dehydrated oil at late rise.

CHICAGO, Feb. 26.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10⅛c.; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9c.; drums, less than car lots, 10⅜c.; tanks, 9⅜c.

Cocoa Butter.—Strong. Scarce. Signs of stock increase lacking.

Codliver Oil.—Uncertainty regarding later supplies turns buyer interest to other vitamin-bearing oils. Market reasonably firm.

Corn Syrup. — Demand sustained normally. Steady to firm market.

Cream of Tartar.—All signs point to probable extension of price advance. Strong situation unrelieved.

Emetine. — Raw material firmer of late. Derived product showing sustained firmness.

Eserine.—Very firm at comparatively high prices. No exceptional stock available.

Formaldehyde.—Showing steady accessions of strength. Demand excellent with rising tendency for domestic and export use.

Fish Liver Oils.—Shark liver strong and scarce at late rise. Halibut liver in fair but not large supply. Prices very firm.

SAN FRANCISCO, Feb. 25.—Firmness keynoted fish liver vitamin oils. High-bracket potency materials scarce. Bidders active. Some lower potency oils in fairly good supply in the A division. Oils of 50,000 units upwards tightly held by sellers. Tuna liver oil in moderate supply. Trade routine in D vitamin materials.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Amer. Drug Mfers. Ass'n, May 5-8, White Sulphur Sprs.
Proprietary Ass'n, May 12-14, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

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Baker's ingenious manufacturing facilities—Baker methods of control and packaging—enable you to have a Milk of Magnesia of greater solution creaminess, one that has greater viscosity and colloidal dispersion. Write for prices and free testing samples. Also instructions as to best methods of use.

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PETROLIA Established 1916 PENNSYLVANIA

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We hope to see you at the Waldorf-Astoria, March 13, at the Drug Trade Dinner
IMPORTERS EXPORTERS

CRUDE SOUPFIN SHARK LIVER OIL.—High potency, 100,000 U.S.P. units vitamin A per gram, 8c. to 8¼c. per million units, in drums, f.o.b. Pacific Coast. Supplies very light. Market firm. Medium potency, 50,000 to 80,000 units, 7c.; 25,000 to 50,000 units, 5½c. to 6c.

CRUDE SOUPFIN SHARK LIVER AND OTHER SHARK OIL.—Lower potency, upwards of 10,000 units, 4½c.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 U.S.P. vitamin D units per gram or better, 55c. per million units.

Glycerin.—Very good call. Undertones show firmness and strength. Raw material needs of refiners apparently being met. Exports to Argentina, 1940, rose to $344,948 from the 1939 total of $181,713. December exports to same country were worth $99,478, comparing with $12,475 in December, 1939. Imports into India dropped to 1,201 hundredweight in 1939.

CHICAGO, Feb. 26.—Glycerin prices are:—Chemically pure, 12½c. per pound, tanks; 12½c., drums; car lots; 13c.; drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Hexamethylenetetramine. — Undertones substantially strengthened. Excellent demand on new orders and against contracts.

Hydroquinone. — Normal activity. Firm market. Fair reserves.

Hyoscine.—Most suppliers hold very small stocks. Prices strong and subject to confirmation.

Hyoscyamine.—Strong. In low supply in most quarters. Prices usually subject to confirmation.

Magnesia. — Sustained consumption noted. Signs of probable gains as needs expand.

Menthol. — Quiet but very firm. Undertones display considerable strength. Position of synthetic strong. Shipments of raw material uncertain due to scarcity cargo space.

Mercurials.—Very firm. Metal gaining strength regularly. Demand for hard mercurials excellent. Fair for soft items.

Methanol.—Very firm. Consumption running to excellent totals. Values show accession of strength.

Quicksilver.—Getting stronger. Spot stocks negligible. Coast production well sold ahead. Local demand conservative. Rains hurt production on Pacific Coast.

SAN FRANCISCO, Feb. 25.—Production quicksilver curtailed by heaviest rainfall in years. Market lacks supplies. Quotations rose to $170 per flask in small quantities. Up $4. Sellers' sizeable lots lacking. Futures could be negotiated on lower basis. No prominent interest in later positions. Inquiries for 200 and 300 flask lots noted.

Quinine.—Strong. Good movement. Sellers exercise reserve in selling. War risk insurance from Far East not fixed in excess of seven days prior to selling date of ships. Formerly was fixed thirty days ahead of sailing on payment of additional premium on rate.

Rochelle Salt.—Strong and reasonably active. Stocks conservative. Production costs high. Likely to go higher.

Saccharin.—Very firm under steady consumption and well maintained production cost.

Salacin.—Movement normal. Well stabilized market.

Salol.—Quantities taken up to usual limits. Firm market.

Santonin.—Firm market expected to rule through main consumption season. Values well maintained. Stocks moderate.

Seidlitz Mixture. — Production cost shows rising tendency. Likely to remain dominant feature of market. Prices strong. Demand normal.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Nitrate.	Per ounce—Bullion— New York.	London.
	Cents.	Cents.	Pence.
Saturday	26%	34%	23%
Monday	26%	34%	23⅛
Tuesday	26%	34%	23⅛
Wednesday	26%	34%	23⅛
Thursday	26%	34%	23⅛
Friday	26%	34%	23⅝

Soda Benzoate.—Consumption running up well to normal. Undertones

ROBINSON WAGNER CO.
MANUFACTURERS OF
USP LANOLINE
PHARMACEUTICAL
COSMETIC TECHNICAL
WOOLGREASE
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STANDARD Collapsible TUBES
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Send for samples, prices and free catalog, just off the press, containing much information of practical value to manufacturers using Tubes, Shells, (one-shot application tubes) Can Spouts and Applicator Pipes in merchandising their products. Standard has 40 years' experience in designing these products to meet special needs, for America's most successful manufacturers of fluid and semi-fluid products.
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Carey PRODUCTS
Carbonate of Magnesia
Oxide of Magnesia
U. S. P. and Technical Grades
THE PHILIP CAREY CO.
Dependable Products Since 1873
LOCKLAND, CINCINNATI, OHIO

THREE ELEPHANT BORAX AND BORIC ACID
Purity Guaranteed Over 99.5%
The AMERICAN POTASH & CHEMICAL CORPORATION
TRONA
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada
TRONA MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

very firm. Outlook favors good sales volume.

Soda Mandalate.—Very firm. Moving in excellent volume.

Sparteine.—Scarce and strong.

Strontium.—Showing gradual expansion in consumption of carbonate.

Strychnine.—Cost to bring raw material rising. War risk now fixed not more than seven days in advance is steamers' sailing dates. Was formerly fixed thirty days ahead if premium was paid over regular rate.

Tartar Emetic.—Strength pronounced. Tendency to rise still activates prices.

Thymol.—Favorably priced for consumption. Very steady.

Vitamin B Complex Experimental Data Available

The pharmaceutical division of the dry yeast department of Standard Brands, Inc., is distributing a booklet concerning vitamin B1 and other members of the B complex. The booklet is entitled "The Natural Vitamin B Complex Compared with Synthetic Mixtures," and the authors are D. F. Chichester, Ph.D. and C. A. Smith, Ph.D. It is announced as an informative summary of experimental evidence regarding the entire natural vitamin B complex compared with combinations of synthetic factors. Copies may be obtained by writing the company at 595 Madison ave., New York, mentioning the REPORTER.

Pacs Chemical Opens Plant

Pacs Chemical Products, Inc., has opened a plant at 470 Frelinghuysen avenue, Newark, N. J., for the manufacture of hormones, pharmaceutical and chemical specialties. Dr. Emil Kaiser, who is vice-president and chief chemist, was in charge of hormone production and research at the Gedeon Richter Company, Budapest, Hungary. E. R. Horowitz, secretary-treasurer and sales manager, was formerly general manager of the Chemical Specialties Company, Newark, N. J.

A.D.M.A. Inaugurates Convention Plans

The American Drug Manufacturers Association will hold its thirtieth annual meeting May 5 to 8 in White Sulphur Springs, W. Va. Arrangements for the gathering have been started by a general committee headed by William D. Barry, of Mallinckrodt Chemical Works, New York, and with John P. Remensnyder, of the Heyden Chemical Corporation, New York, as vice-chairman.

The several divisions of arrangements and entertainment are being handled by subcommittees under the following chairmen:—

Banquet, F. J. McDonough, of New York Quinine & Chemical Works.

Evening entertainment, John P. Remensnyder, of Heyden Chemical Corporation.

Golf tournament, V. E. Williams, of Monsanto Chemical Company.

Ladies' events, A. A. Wasserscheid, of Mallinckrodt Chemical Works.

Publicity, G. S. Furman of Merck & Co.

Tennis tournament, S. P. Penick, jr., of S. B. Penick & Co.

Transportation, Robert B. Magnus, of Magnus, Mabee & Reynard, Inc.

Convention rates at the Greenbrier, where the association will have its headquarters and its activities, will be as follows on the American plan:—

One person in a single room with private bath, $12 a day.

Each person in two adjoining single rooms with joint bath and separate toilet facilities, $11 a day.

Each person, two in a room with twin beds and bath, $10 a day.

Parlors, $8 a day in addition to bedroom rate.

Reservations are being made with the assistant manager of the Greenbrier, George D. O'Brien, White Sulphur Springs.

McK.&R. Trustee Sues Estate of Former Director

W. J. Wardall, trustee for McKesson & Robbins, Inc., has filed suit in the New York Supreme Court for $1,241,370 against the legatees and trustees of the estate of the late Oliver Gould Jennings, who was a director of the company from September 28, 1928, to April 28, 1936.

The suit was based on the charge that Mr. Jennings as director had voted for a dividend of $399,750, which impaired the capital and permitted the crude drug department and the Canadian subsidiary to be used in fictitious transactions by which the late F. Donald Coster defrauded the company. Defendants asked dismissal of the suit under the statute of limitations.

Phila. Pharmacy College Marks 120th Anniversary

The Philadelphia College of Pharmacy and Science observed its 120th anniversary February 24. The observance exercises started with the reading of the annual report of the president of the college, Dr. Wilmer Krusen. Other speakers included Dr. H. B. Allen, director of the Franklin Institute, and Dr. Robert C. White, head of Robert C. White & Co., disinfectant manufacturer, Philadelphia.

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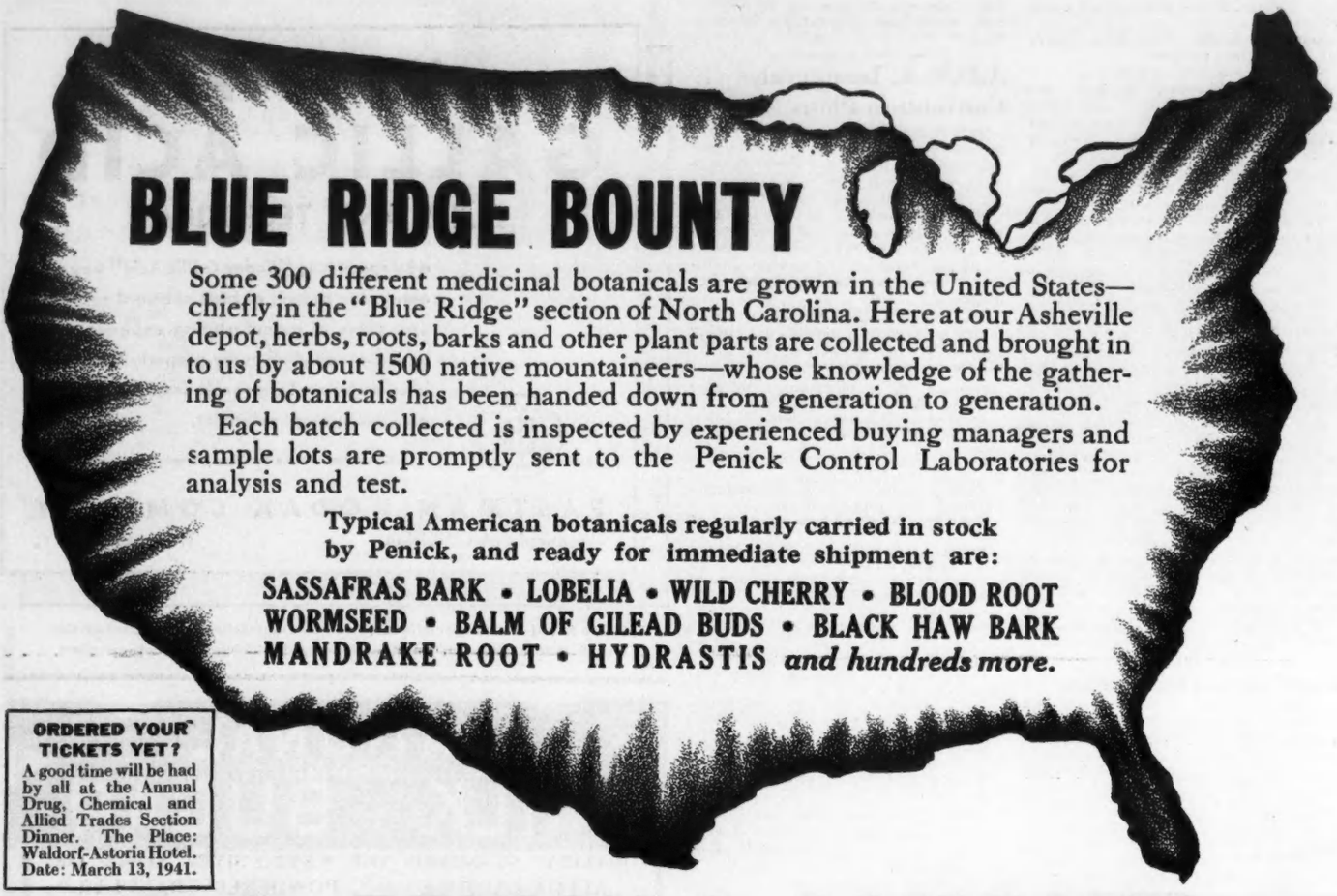

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Some 300 different medicinal botanicals are grown in the United States—chiefly in the "Blue Ridge" section of North Carolina. Here at our Asheville depot, herbs, roots, barks and other plant parts are collected and brought in to us by about 1500 native mountaineers—whose knowledge of the gathering of botanicals has been handed down from generation to generation.

Each batch collected is inspected by experienced buying managers and sample lots are promptly sent to the Penick Control Laboratories for analysis and test.

Typical American botanicals regularly carried in stock by Penick, and ready for immediate shipment are:

SASSAFRAS BARK • LOBELIA • WILD CHERRY • BLOOD ROOT
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MANDRAKE ROOT • HYDRASTIS *and hundreds more.*

ORDERED YOUR TICKETS YET?
A good time will be had by all at the Annual Drug, Chemical and Allied Trades Section Dinner. The Place: Waldorf-Astoria Hotel. Date: March 13, 1941.

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK, N. Y. **735 W. DIVISION ST., CHICAGO, ILL.**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Trade Briefs

Western Wholesale Cosmetics Company, at 1275 South Norton avenue, Los Angeles, has been sold by Patricia Halstead to M. Kerstein.

Elweil Pharmaceuticals is the firm name under which Robert LeRoy Finlay has obtained a certificate to conduct business at 1212 Venice boulevard, Los Angeles.

Sales tax of this city could be extended three years and its revenues given a broader field of application under the Moffatt-Coudert bill now in the State legislature.

John L. Newkirk, exporter and importer of drugs and perfumes from South and Central America, has leased space in the International Building of Rockefeller Center, this city.

Charles P. McCormick, president of McCormick & Co., Baltimore, has been appointed a member of the board of managers of the Springfield State Hospital. He succeeds C. Wilbur Miller, formerly president of the Davison Chemical Company.

Codeine, in mixtures to the extent of 1 grain per ounce, would be the only opiate exempt from State narcotic laws according to a bill already introduced in a number of State legislatures. This is a "uniform" bill; in this State it is the Starkey bill (A. 1361).

Eucalyptus groundwood and imported sulphite are being used in the manufacture of paper pulp in an Australian plant which is geared for an output of 27,000 tons per year. Production can readily be doubled and ultimately will be trebled.

Medical and Surgical Supply Committee of America announced that $165,096.67 in the form of cash contributions and medical and surgical materials was received at its national headquarters in this city since the committee was formed last August.

Chemical Plants for production of alkalies and other products are being erected in Kahiawar, and in Mithapur, India.

Pennsylvania Salt Manufacturing Company's telephone number in Philadelphia has been changed to Locust 1700.

Cellophane cellulose film production will be started by E. I. duPont de Nemours & Co. at its new plant in Clinton, Iowa, March 3.

Duratex Chemical Corporation, this city, has filed a certificate of voluntary dissolution in the office of the Secretary of New York State.

Marblehead Lime Company, Chicago, has sold its Springfield, Mo., lime business, plant and properties to the Ash Grove Lime & Cement Company.

J. Arthur Singmaster, president of Singmaster & Breyer, consulting chemists and metallurgists, this city, has been elected a director of Dictaphone Corporation.

Pfanstiehl Chemical Company, Waukegan, Ill., has issued a new catalog listing the rare sugars, amino acids, laboratory reagents, and biochemicals of its manufacture.

William G. Theisinger, since 1935 welding and metallurgical engineer for the Lukens Steel Company, Coatesville, Pa., has been named director of welding research for the company.

George Pfuhler, of the R. & H. chemical department division of E. I. du Pont de Nemours & Co., this city, will leave March 4 for Camp Upton, L. I., for one year's military training.

Oleo Chemical Company has located its office at 38 Pearl street, this city. The company, originally established in 1931, is under the management of L. Geismar, who has been long identified with the sales of heavy and fine chemicals for domestic and export accounts.

Palomar Chemical Company is the firm name under which Charles L. McCarthy, D. E. Hardesty and W. H. Rabsahl have obtained a certificate to conduct business at 404 Third avenue, San Diego, Calif.

Proprietary Medicine Exports Reported for December

Proprietary medicines exported from the United States during December have been tabulated by the Bureau of Foreign and Domestic Commerce. The value of the various classes of products exported in December was as follows:—

Classification.	Value.
Mouth washes and gargles	$26,431
Corn and foot remedies	6,399
Plasters	33,033
Liniments	59,860
Salves for burns, cuts and skin diseases	34,138
Salves for coughs, colds and catarrh	78,612
Cold, cough and bronchial preparations	48,421
Catarrh, asthma, and hay fever preparations	13,204
Malaria and chill preparations	29,324
Tonics and blood purifiers	136,034
Laxatives and purgatives	75,840
Milk of magnesia	9,558
Digestive preparations	21,539
Headache, neuralgia, and pain remedies	29,585
Other proprietary medicinals	207,997

Phila. Production Club To Meet March 6

The March meeting of the Philadelphia Paint and Varnish Production Club will be held March 6, 1941 in the Bourse Building restaurant. Dinner will be served at 6:30 p.m. P. J. Whiteway, jr., will review the paper on "A Study of Bodying Dehydrated Castor Oil with Other Oils" which was presented by the C.D.I.C. Club at the Federation convention. Hugh A. McConaghy will review the Golden Gate Club paper on "Primers for Magnesium and Aluminum Alloys." A. H. Stover has called a plant managers committee meeting at 5:30 p.m. The subject for discussion will be "Labeling, Warehousing and Shipping."

Magnesium Production Up 87% in 1940

Primary magnesium production in the United States during 1940 totaled 12,500,000 pounds, the largest output in the history of the domestic industry, according to the Bureau of Mines. The 1940 output was 87 percent above the previous peak of 6,700,000 pounds attained in 1939. The Dow Chemical Company, at present the sole domestic producer of magnesium, expects to produce 30,000,000 pounds of metal in 1941. Domestic sales of new magnesium in 1940 equaled production, or totaled 12,500,000 pounds, an increase of 17 percent over 1939.

N.Y. Paint and Production Clubs Plan Joint Meeting

The annual joint dinner meeting of the New York Paint and Varnish Production Club and the New York Paint, Varnish and Lacquer Association will be held March 13 at the Park Central Hotel, this city. Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, and Dr. R. M. Burns, assistant chemical director of Bell Telephone Laboratories, will be guest speakers. Dr. Burns' topic will be "How Metals Corrode and Paints Protect."

Grinding Pebbles Discussed

A monograph on "Grinding Pebbles and Tube-Mill Liners" has been published by the United States Bureau of Mines as information circular No. 7139. This monograph, by Robert W. Metcalf, discusses uses, imports, domestic production, and possible domestic sources of pebbles and liners. It also includes a list of importers, dealers, and other suppliers. Copies of I. C. 7139 may be obtained without cost from the United States Bureau of Mines, Section of Publications, Washington.

Botanical Drugs, Spices, and Gums

Belladonna and Atropine Placed on Export License List —Seasonal Botanicals Moving Well—Prices Generally Firm and Based on Fair Stocks — Some Scarcities

Conditions in the market for botanical drugs changed very little during the past week. Imported goods were in dwindling supply when the goods came originally from Europe and when no new sources of supply have been developed. Domestic goods were, on the whole, in very good supply and it seemed entirely likely that primary market dealers would succeed in getting fair stocks collected during next summer. What the cost of collection may be is another and still unwritten story.

Seasonal botanicals came in for very steady request. Also, in most instances, dealers were able fully to supply the requirements of manufacturing consumers in need of additional stocks of said seasonal items. Prices were substantially firm in most instances.

Of considerable interest was the presidential order whereby free uncontrolled and unrestricted export of belladonna leaves and root were stopped. Belladonna was placed on the export license list, meaning that none may be exported without the exporter having received an export license. The chemical derivative of belladonna, atropine, was also placed under identical export control.

Balsams

Fir.—Steady to firmer. Moving well at normal volume.

Peru.—Firm at recent advance. Less competition. Good call.

Barks

Cascara Sagrada.—All reports suggest strong market and probably higher prices for coming year. Labor cost necessarily high to get workers into peeling areas. Carryover limited in dealers hands.

Elm. — Consumption satisfactory. Fully firm market. All needs cared for promptly.

Wahoo.—Routine demand. Steady prices. Fair stock reserves.

White Pine.—Conditions stimulated excellent consumption. Prices display firm undertone.

Wild Cherry.—Consumption running to normal limits. Steady, well stabilized prices.

Beans

Tonka.—Firm. Steamer connection poor with primary market. Demand normal.

Vanilla.—Outlook for supplies no better. French islands unable to export. British blockade effective. Some talk of possible blockade runners. Mexico strong due to preferential position arising from blockade of French beans at source. Quotations here nominal.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	...	100
Belladonna	19	19
Caraway	...	174
Cardamom (cases)	...	867
Celery	...	61
Coriander	11,700	22,103
Cumin	2,801	5,268
Digitalis leaves (cases)	...	...
Dill	...	7,438
Fennel	...	800
Henbane leaves (bales)	...	...
Mustard	...	2,744
Poppy	...	488
Sage leaves (bales)	...	2,946
Sesame	150	360
Stramonium	...	...
Thyme	197	297

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association Meetings:—
Amer. Spice Trade Ass'n, May 12-14 (Tentative), New York.

Price Changes

Advanced

Cardamom, decorticated, 5c. per lb.
Coriander seed, natural, ½c. per lb.
Cassia, Batavia, No. 1 quill, 1c. per lb.
Cinnamon, No. 2 Ceylon, ¼c. per lb.
No. 3, ½c. per lb.
Ipecac root, 10c. per lb.
Nutmegs, West Indian, ¼c. per lb.
Poppy seed, Dutch, 2½c. per lb.
Turkish, 1½c. per lb.
Roumanian, 2½c. per lb.
Pepper, black, Lampong, ⅝c. per lb, white, Java Muntok, ⅞c. per lb.

Reduced

Caraway seed, Dutch, 2c. per lb.
Celery seed, Indian, 5c. per lb.
Cumin seed, Morocco, 1c. per lb.
Cyprus, 1c. per lb.
Persian, ¼c. per lb.
Mustard seed, Chinese yellow, ¼c. per lb.
Pepper, white, small berry Muntok, ¼c. per lb.
Thyme, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
250.0	250.0	224.8	195.7

Market news that may have developed after this report was sent to press will be found on page 4.

Berries

Fish.—Slow demand. Steady to firm prices. Fair stocks.

Hawthorn.—Very steady. In moderate demand. Fair stocks.

Flowers

Borage.—Limited stocks meeting current light demand.

Calendula.—Firm to strong. Likely to disappear from spot stock.

Lavender.—Little interest. Steady, inactive prices.

Rose.—Pale flowers steadier. No further price reduction.

Rosemary.—Very firm. In limited, poorly distributed supply.

Saffron.—Fair jobbing activity in both Mexican and Spanish.

Gums

Arabic.—Shipments from Port Sudan still blocked by war and lack of steamers. Preference given merchandise of war significance—cotton for instance. Plenty of gum at source. Desperate scarcity of steamers also prevails. Price future tied to steamer availability.

Guaiac.—Steady under routine activity.

Karaya.—Shipments uncertain from source. Prices very firm here.

Mastic.—Apparently stable at $1.50 per pound minimum. Irregular call. Slightly easy.

Sandarac.—Regular dealers main-

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✓ ALOES
✓ ALTHEA ROOT
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✓ ASAFOETIDA GUM
✓ BENZOIN GUM
✓ BUCHU LEAVES
✓ CALAMUS ROOT
✓ CUBEBAR
✓ CINCHONA BARK
✓ DAMIANA Select
✓ DIGITALIS (116% Active)
✓ DOGGRASS CUT
✓ ERGOT (140% Active)
✓ EUPHORBIA PIL.
✓ FENNEL SEED
✓ GALANGAL ROOT
✓ GINGER
✓ GUAIAC GUM Glassy
✓ HAWTHORNE BERRIES
✓ HOREHOUND
✓ IPECAC ROOT
✓ IRISH MOSS
✓ KOLA NUTS
✓ MYRRH GUM
✓ OLIBANUM GUM
✓ ORANGE PEEL
✓ ORRIS ROOT
✓ PAPAIN
✓ PEPPERMINT
✓ PSYLLIUM SEED
✓ QUASSIA
✓ QUINCE SEED
✓ RHUBARB ROOT
✓ SANDALWOOD
✓ SARSAPARILLA
✓ SENEGA ROOT
✓ SENNA LEAVES
✓ SLOE BERRIES
✓ STRAMONIUM
✓ UVA URSI
✓ WILD CHERRY BARK
✓ PALE ROSE BUDS

◆ ◆ ◆ ◆ QUOTATIONS AND SAMPLES ON REQUEST ◆ ◆ ◆ ◆

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Mixed with water, KELCO Alginates make highly viscous solutions or colloid suspensions. Only a very small amount is needed. No special preparation or handling—KELCO Alginates are ready to use. Made in U.S.A. from domestic raw materials to rigid specifications, KELCO Alginates are available in uniform quality without interruption. No worry about deliveries.

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It PAYS to use KELCO Alginates in your processing

taining price. Occasional shading by newer operators. No exceptional call.

Herbs and Leaves

Belladonna.—Placed on export license list by presidential order.

Buchu.—Quiet but steady. Moderate activity.

Horehound. — Spot stocks showing low first cost recently turned into consumer channels. Price, quality low.

Henna.—Replacements noted arriving from India. Spot firm.

Senna.—Future transport from India uncertain. Likely to be slow due to lack of freight space. Firming values not unlikely.

Thyme.—Shaded to 60c. to 62c. per pound for French. Spanish seemingly unchanged.

Miscellaneous

Areca Nuts.—Powder very steady. Demand maintained normally.

Ergot.—Steady to firm. Fair reserves here. Goods obtainable in Portugal. No exceptional buying pressure.

Kamala.—Fairly steady but still subject to some competition pressure.

Kola Nuts. — Outlook considered fair. Shipments from source may encounter some scarcity of cargo space.

Quassia.—Chips in reasonable supply. All needs met promptly. Prices well stabilized.

Roots

Belladonna.—Placed on export license list by presidential order.

Derris.—Shipments from Far East may decrease due to lack of normal cargo carriers and space. South American rotenone - bearing roots meeting similar but less acute situation.

Ipecac.—Firming steadily. Whole, $1.20 to $1.25 per pound; powdered, $1.35 to $1.40. Up, spot and source.

Rhubarb. — Steadier. No further price drops. Lack of normal shipping may reverse recent market trend.

Squill.—Only very limited quantities available. No regular market offerings.

Seeds

Caraway.—Lowered to 56c. to 58c. per pound without any apparent reason.

Cardamom.—Decorticated higher at 95c. to 98c. per pound. Reflects supply position.

Celery.—French reported down to 57c. to 59c. per pound, without offer. Indian unchanged.

Coriander.—Firmer at fractional rise to 7c. to 7½c. per pound.

Cumin. — Down again. Morocco, 17½c. to 18c. per pound; Cyprus, 17½c. to 18c.; Pesian, 15¾c. to 16¼c.

Mustard.—Chinese yellow shaded to 9¼c. to 9½c. per pound. No other change. Much uncertainty regarding eventual California crop. Rains caused the uncertainty.

Poppy.—Dutch up to 40½c. to 41½c. per pound. Turkish, higher at 38c. to 39c. per pound on delay in arrivals. Roumanian also advanced, reaching 37c. to 38c.

Spices

Cassia.—Growing stronger. Batavia No. 1 thin quill up to 17½c. to 18c. Other varieties and qualities tend upward.

Cinnamon.—Ceylon No. 2 advanced to 17c. to 17½c. per pound. No. 3, 16¾c. to 17¼c. Reflects replacement position.

Ginger. — African held at wider range. Price 7½c. to 8c. New crop Jamaica awaited.

Nutmegs.—West Indian recover a fraction to 9¼c. to 9¾c. per pound. East Indian very firm.

Paprika.—Surprisingly steady, considering recent landings.

Trading in black pepper futures on the New York Produce Exchange from February 22 to February 28, inclusive, comprised 392 contracts, a total of 13,171,200 pounds. Following is a price record for the week:—

	Cents per pound— High.	Low.	Close.
May	5.05	4.80	4.94@4.98
July	5.10	4.91	5.03@5.04
September	5.20	4.95	5.10@5.12
December	5.32	5.08	5.21@5.22

Pepper.—Black Lampong up to 5.20c. to 5.40c. per pound. White Java Muntok advanced to 9⅛c. to 9½c.; small berry, Muntok, 8½c. to 9c. Reds steady to firm.

A. R. Maas Chemical Company is now located in its new offices at its plant, 4570 Ardine street, South Gate, Calif.

Belladonna, Atropine Need Export Licenses

—Continued from page 3

fication herein is not coextensive with that in schedule B or F.

Atropine

	B	F
Atropine, U.S.P. alkaloid (atropine, atropia)—		
Atropine hydrobromide..	8127.9*	8180*
Atropine hydrochloride..	8127.9*	8180*
Atropine methylbromide.	8127.9*	8180*
Atropine methylnitrate..	8127.9*	8180*
Atropine nitrate.....	8127.9*	8180*
Atropine salicylate.....	8127.9*	8180*
Atropine sulphate, U.S.P.	8127.9*	8180*
Atropine sulphuric acid..	8127.9*	8180*
Atropine valerate.....	8127.9*	8180*

Belladonna

	B	F
Belladonna leaves, U.S.P.—		
Belladonna plaster, U.S.P.	2209*	2209*
Extract of belladonna, U.S.P.	2209*	2209*
Fluid extract of belladonna leaf, N.F.....	2209*	2209*
Tincture of belladonna, U.S.P.	2209*	2209*
Belladonna ointment, U.S.P.	2209*	2209*
Belladonna root, U.S.P.—		
Fluidextract of belladonna root, U.S.P.....	2209*	2209*
Belladonna liniment, N.F.	2209*	2209*

Beryllium

	B	F
Ores and concentrates (except gem varieties).....	6245*	6640*
Metal, alloys, and scrap...	6249*	6640*
Beryllium salts and compounds	8399.9*	8399*

Vacuum Desiccation Process Licensing Company Formed

Sharp & Dohme and the F. J. Stokes Machine Company, Philadelphia, have granted sole rights for licensing under their patents for vacuum desiccation from the frozen state to the Lyophile-Cryochem Company, a new corporation chartered under the laws of Pennsylvania.

In the new process, which was developed by members of the Stokes and Sharp & Dohme companies, and of the University of Pennsylvania, moisture is removed under high vacuum from preparations that have been rapidly frozen, so that only the dry substance remains in the final market container, which is then sealed under vacuum. When required for use, it is restored to the fluid state merely by the addition of distilled water.

The process is now being employed in the production of human blood plasma for emergency use, and a number of antivenins and serums. Licenses have been granted to several manufacturers, it is stated, and the Lyophile - Cryochem Company will grant further licensee under the patents.

Officers of the new company are: President, John A. Silver; vice-president, Paul S. Pittenger; secretary, Earl W. Flosdorf; and treasurer, F. J. Stokes, jr.

'Koroseal' Processing Method Developed by Goodrich

The B. F. Goodrich Company, Akron, has developed a method of processing 'Koroseal', the synthetic thermoplastic material, into a transparent and highly durable film with wide industrial application. Glass-clear and highly flexible, the film is now being produced in gauges ranging from one-thousandth of an inch and up. It is made in a variety of colors in transparent, semi-transparent, translucent and opaque forms.

Calcium Gluconate Made By Improved Process

An improved, semi-continuous biochemical process for the manufacture of calcium gluconate was recently reported by the United States Department of Agriculture. Use of boron, improved equipment, and better fermentation agents, are said to make possible the production of calcium gluconate in about half the time formerly required.

Chemists of the department, it is declared, who began the research twelve years ago found that the action of certain molds on a solution of glucose produced gluconic acid. In 1935, the chemists developed a rotating drum in which such a solution could more easily be fermented. Air necessary for bacterial growth is forced in one end of the drum under pressure and removed from the other end.

It was also found the mold *Aspergillus niger* (strain 3), to be the best fermentation agent, but for one difficulty. When the mold was exposed to an increasing concentration of gluconic acid, it stopped working. Calcium carbonate was added, by the calcium gluconate produced was not very soluble, separated out, and clogged the drum.

Then three chemists of the Bureau of Agricultural Chemistry and Engineering, A. J. Moyer, E. J. Umberger, and J. J. Stubbs, who had been studying fermentation processes, discovered that the addition of a little borax or boric acid to the fermenting liquor keeps the calcium gluconate in solution and lets the molds finish their work. Later, the calcium gluconate may be separated from the solution free from boron.

Adams, McLaughlin Promoted By Owens-Illinois Can Co.

Toledo, Feb. 25, 1941

Joseph F. Adams, formerly manager of the oil and paint container sales for the Owens-Illinois Can Company, this city, has been named national accounts manager. Charles E. McLaughlin, formerly with the advertising department, has been promoted to merchandising manager. Before becoming associated with Owens-Illinois, Mr. Adams was a vice-president of the Barnsdall Oil Company and Mr. McLaughlin handled merchandising and advertising for Libbey Glass Company.

Toilet Preparations Exports In December Tabulated

The value of United States exports of toilet preparations during December, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$119,045
Other dentrifices	8,766
Talcum powder in packages	21,345
Face and compact powder	29,521
Cold creams	9,268
Vanishing creams	8,549
Other creams, lotions and balms	22,098
Rouges	17,708
Lipsticks	67,287
Other cosmetics	16,184
Manicuring preparations	12,786
Depilatories and deodorants	5,596
Hair preparations	44,591
Perfumery and toilet waters	22,521
Other toilet preparations	36,384

American Condiments Consolidated is the firm name under which Clark W. Johnston has obtained a certificate to conduct business at 6110 Atlantic boulevard, Los Angeles.

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Essential Oils, Aromatic Chemicals

Chinese Oils Rise Further—All Far Eastern Items Stronger —Cargo Space Scarce—War Risk Insurance Fixed for But Seven Days Before Ships Sailings

Price trends in the market for essential oils and aromatic chemicals followed a pattern well defined for some time past. The trend was upward and it came in materials noteable for strength, backed by a well maintained demand from consuming sources.

Far eastern oils were in the foreground of market events. Danger of Japanese military movements southward placed shipments of Far Eastern oils in jeopardy and caused a natural tightening of the spot market because of the increasing uncertainty of replacements reaching here.

Scarcity of ships and cargo space was a growing menace to movement of goods to this market. Freighters have been pulled off their normal runs and turned to transporting supplies needed in Great Britain and other British fronts.

Finally, it was reported that due to increased tension in the Far East, war-risk rates on shipments to and from the East and Far East will not be fixed in advance of sailings in excess of seven days. Marine underwriters had, prior to this ruling, given shippers a fixed rate for thirty days ahead at a fixed, additional premium, except for certain exclusions noted in the rate schedule.

Higher spot prices were reported on anise and cassia, both Far Eastern oils. Vetiver, cananga and other oils from that area were stronger and higher in some quarters. Peppermint advanced further on spot as primary market holders withheld offerings. Russian oil was reported in Iceland.

Price Changes

Advanced

Anise, 5c. per lb.
Cassia, 5c. per lb.
Celery, 50c. per lb.
Lemon, terpeniess, 25c. per lb.
Peppermint, natural, 5c. per lb.
redistilled, 5c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
176.0	173.9	172.1	96.5

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Anise.—Strong. Higher. Price 95c. to $1 per pound. Limited offerings, spot and primary market. War risk insurance not to be fixed more than seven days in advance of sailings of ships. Thirty-day fixation at a fixed additional premium had been possible. Due to tension in Far East.

Apricot.—Firm under steady, sustained demand at normal volume.

Bay. — Market irregular. Demand not steady. Mainly jobbing.

Bergamot.—Sale of artificial item in fine volume. Price firm.

Birchtar. — Crude and rectified firm at recent advances. Call about normal. Stocks subnormal.

Cajeput.—Firm, due to replacement strength. Moderate spot call.

Cananga.—Replacement slow and difficult. Costs high. War risk insurance available but seven days before ship sailings.

Capsicum (Oleoresin).—Very firm. Good demand. Raw material more stable following recent price recession.

Caraway.—Lack of general stocks eliminated competition. Holders, if any, in full command of prices.

Cassia.—Higher. Market $1.90 to $1.95 per pound. Replacement stronger than ever. High test oil almost extinct at source. War risk insurance available only seven days before steamer sailings.

Cedarleaf.—Better inquiry. Sales volume upped some.

Cedarwood. — Limited movement. Producers hold prices steady.

Celery.—Very hard to get. Higher at $17 to $18 per pound. Practically nominal.

Citronella.—Java oil at low prices blocks normal sales Ceylon oil. Cargo space at minimum. War risk insurance not fixed more than seven days before steamer sailings.

Clove.—Firm, to firmer or stronger. Prices well maintained. Good demand.

Coriander. — Plentiful stocks raw material fails to weaken distillers price. Very firm market.

Cubeb. — Steady. In narrow, restricted request.

Dill.—Domestic production should increase due additional acreage planted. Firm spot market.

Eucalyptus.—Steady call for moderate quantities. Prices firm.

Geranium.—Purely nominal market. Substitutes doing good job filling void left by absence of natural oils.

Grapeseed.—Keen competition for small consumption market. Domestic oil, 35c. per pound. Imported, minimum at 15c.

Ginger.—Steady to firm. No raw material unsettlement. Fair call.

Juniper Tar.—Needs usually met at firm prices. Replacement arrivals irregular and uncertain due to shipping uncertainties.

Lavender.—Fair arrivals Spanish spike oil recently. No weakening of prices. Further landings subject to war conditions.

Lemon.—Firm. Steadily active. Needs covered from domestic producers' stocks. Genuine, unsophisticated Italian oil virtually extinct.

Lemongrass.—War risk not fixed more than seven days in advance of ship sailings. Due to tension in Far East. Item firm at all points.

Lime.—Strength pronounced. Possible production in Cuba being studied. Moderate spot stocks. Prices hold upward tendency.

Nutmeg.—Very firm. Good call. Prompt delivery offerings moderate with producers.

Orange.—Firmer tone. California price advance well supported by current demand. Transport of foreign oils subject to handicap worked by the war. Cargo space at minimum.

Patchouli.—Firm due to replacement uncertainties. War risk insurance not fixed more than seven days prior to ship sailings.

Peppermint.—Higher. Natural, $3.80 to $4.05 per pound. Redistilled, $4.05 to $4.30. Reports of spot weakness not borne out by primary market dealers' attitude. Dealers apparently holding stocks. Few offerings. Rus-

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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sian oil reported in Iceland may reach here. Arrival uncertain.

Petitgrain.—Very firm. Fair but not expanded demand.

Pimento.—Raw material in strong control. No reports current regarding oil production from Mexican spice.

Sassafras.—Steady to firm. Demand up moderately. Little competition.

Savin.—Limited stocks in strong hands. Limited demand.

Snakeroot.—Firm under jobbing activity.

Spearmint.—Very firm. Primary market considered stronger. No price change.

Tansy.—Irregular demand met reasonably prompt. Steady prices.

Thyme.—Firm to strong. Arrivals of replacements irregular.

Vetiver.—Far East tension strengthens position. War risk insurance not fixed more than seven days prior to steamer sailings.

Aromatic Chemicals

Acetaldehyde.—Fairly slow demand at steady prices.

Acetophenone. — Demand normal and steady. Well held quotations.

Amyl Phenylacetate.—Routine activity at full, steady prices.

Amyl Salicylate.—Call rather irregular. Prices hold.

Anethol. — Firm and gaining strength. Raw material rise substantial. Steady demand.

Anisic Aldehyde.—Production cost rises. Raw material higher. Normal trade activity.

Benzaldehyde.—Firm under normal request. Little competition.

Benzophenone.—Inquiry gains. Sales upped. Prices firmer.

Benzyl Acetate.—Very steady. Demand sustained fully.

Benzyl Benzoate.—Consumption up to normal. Very firm prices.

Benzyl Cinnamate.—Firm. Inquiry gaining. Fair supplies.

Benzyl Formate.—Routine activity. Fully supported prices, all quarters.

Benzyl Isoeugenol.—Possible less inquiry. No price unsettlement.

Benzyl Propionate. — Sustained movement keeps prices stable.

Benzyl Salicylate.—Slower but no easier market. Fair stocks.

Benzylidenacetone.—Business very good. Volume up moderately.

Bromstyrol.—Only fair, average quality available. Extra fine grades of imported extinct.

Cinnamic Alcohol.—Market mainly for small lots. Very firm.

Cinnamic Aldehyde.—Not much competition. Prices generally stable.

Citral.—Firm. Movement normal. Fair but not exceptional supplies.

Citronellyl Acetate. — Undertones gain firmness. Activity gains.

Citronellyl Butyrate.—Sales and inquiries up moderately. Firm prices.

Coumarin.—Steady, well supported and stabilized market.

Cyclamen Aldehyde.—Call mainly for jobbing lots. Steady market.

Phenylpropyl Alcohol.—Very steady. Good call. No selling pressure.

Phenylpropyl Aldehyde. — Consumption close to normal. Quotations steady.

Rose Crystals.—Finding increasing use as a fixative with rose note.

Scatol.—Irregular demand. Volume about normal. Steady quotations.

Strolyl Acetate.—Normal activity. Moderate competition. Values hold.

Terpineol.—Firm and fairly active. No excessive supply.

Terpinyl Acetate.—Fairly slow but steady movement. Full price maintained.

Tolyl Acetate.—Market mainly for jobbing quantities. Steady.

Perfume Materials Position In Blockaded World Discussed

The position of perfume materials in a war-blockaded world is discussed in the February issue of the *Givaudanian*, houseorgan of Givaudan-Delawanna, Inc., manufacturer of aromatic chemicals. Among the items specifically treated in the discussion are oak moss, vetivert, lavender, rhodinol, civet, and ylang-ylang. A copy of the issue may be secured by addressing the company office, 330 West 42nd street, New York, mentioning the REPORTER.

Blending Agent Offered

Kem Products Company has placed on the market "Kemulsion Base AA," a product recommended for blending with essential oils, aromatics and other alcohol-soluble materials, in order to make them soluble or emulsifiable in water. Makers of bath oils, water-base disinfectants and similar products should be especially interested in the agent, it is declared. Data on "Kemulsion Base AA" may be secured by addressing the company at 229 High street, Newark, N. J., mentioning the REPORTER.

Petroleum Products

Heavy Demand and Scarcity Causes Advance in Crude Paraffin — Naphthas and Solvents in Good Call —Pennsylvania 600-650 Cylinder Oil Advanced

Heavy buying of crude scale paraffin remained a feature of the market for petroleum products last week. Several refiners were unable to meet the demand due to depletion of stocks. As a result of the tight market situation a fractional advance was recorded.

Petroleum naphthas and solvents remained in strong call and many sellers were pressed to meet the spot demand. Certain grades of aromatic naphthas were unavailable and some of the other naphthas were scarce. Lighter fractions were in normal position, with butane and propane strong and tight. Petrolatums and white oils were routine. Pennsylvania cylinder oils remained strong and the 600-650 steam refined oil was advanced. Neutral oils were tight.

The Interstate Commerce Commission has suspended until September 21 proposed railroad freight schedules reducing rates on gasoline, refined oil, naphtha, and fuel oil distillate from Baltimore to Martinsburg, W. Va., from 14 cents to 11½ cents per pound.

Price Changes

Advanced

Oil, lubricating, cylinder oils, 600-650 s.r., ½c. per gal., Pa. refineries. Paraffin, crude scale, five points per lb.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas. — Demand heavy. Offerings of some grades limited. Prices steady.

Cleaners' Naphtha.—Good call. Price unchanged.

Lacquer Diluent.—Fair movement. Tone stable.

Mineral Spirits.—Paint manufacturers buying well. Sales volume ahead of corresponding period last year. Prices firm.

Rubber Solvent.—Paint and rubber manufacturers buying and ordering in good volume. Price unchanged.

Stoddard Solvent.—Market becoming more active. Price firm and unrevised.

V. M. & P. Naphtha.—Better inquiries. Market status unchanged.

Markets at Other Centers

Chicago—Feb. 28

Mostly better demand has been reported in the solvents and diluents market. Orders have shown a tendency to expand in both number and volume of material involved. Aromatics especially are attracting favorable buyer attention.

AROMATIC NAPHTHAS.—Buying active. Market strong.

CLEANERS' NAPHTHA.—Orders good, unchanged price.

LACQUER DILUENT.—Movement fair. Quotations holding.

MINERAL SPIRITS.—Brisk movement, with prices unchanged.

RUBBER SOLVENT.—Buying holding up, price steady.

STODDARD SOLVENT. — Movement good. Market unchanged.

V. M. & P. NAPHTHA.—Steady call, quotations unchanged.

New Orleans—Feb. 28

Little change was noted in the domestic market on cleaning solvent and V. M. & P. naphtha. Prices were firm and buying continued to be conservative, with no activity in the export market.

CLEANING SOLVENT.—Demand slow; price unchanged.

V. M. & P. NAPHTHA.—Sales volume fair, price steady.

San Francisco—Feb. 28

Petroleum specialties were reported routine in trade channels last week. Prices underwent no change and the usual weekly bookings at sellers' quotations were evident. Aromatic naphthas were in none too plentiful supply. Materials going to the paint trade were moving out in good fashion.

AROMATIC NAPHTHAS.—Supplies light in comparison with what the consuming element of the market is able to take.

CLEANERS' NAPHTHA.—Routine.

PETROLEUM THINNERS.—Demand very good.

LACQUER DILUENT.—Routine.

V. M. & P. NAPHTHA.—Very active.

RUBBER SOLVENT.—Demands from rubber manufacturers good.

STODDARD SOLVENT.—Interest good.

Tulsa—Feb. 28

A generally firmer attitude is shown by refiners in nearly all specialties, despite the quietness of the market this week.

CLEANERS' NAPHTHA.—Trading limited. Quotations firm.

STODDARD SOLVENT.—Routine demand. Prices steady.

RUBBER SOLVENT.—Good call. Prices stronger.

V. M. & P. NAPHTHA.—Demand quieter. Prices fair.

LACQUER DILUENT.—More inquiries. Prices firm.

Lighter Fractions

Butane.—Heavy demand. Supplies fairly scarce. Quotations strong but unchanged.

Heptane.—Fairly good buying. Price steady.

Hexane.—Normal market reported. No change in price.

Octanes.—Satisfactory demand at unchanged price.

Pentanes.—Routine deliveries. Inquiries more numerous. Price steady.

Propane. — Offerings curtailed. Stocks on hand low. Demand heavy. Price strong.

Markets at Other Centers

Chicago—Feb. 28

The lighter petroleum fractions market continues to be featured mostly by interest in butane and propane. These materials are giving an extremely good account of themselves, with movement good. Buyers are taking good amounts.

BUTANE. — Demand good, market strong.

HEPTANE. — Orders fair, no price change.

HEXANE.—Fair call. Quotations unchanged.

OCTANES.—Demand moderate. Price holding.

PENTANES. — Better interest shown, market steady.

PROPANE. — Good demand. Market firm to strong.

Tulsa—Feb. 28

Manufacturers are holding their quotations for the lighter fractions very firm as trading is increasing. Broader inquiries from the industrial fields is noticeable.

BUTANE.—Demand widespread. Quotations steady.

PROPANE.—Market active. Quotations firm.

PENTANE.—More trading. Prices strong.

Petrolatums and Waxes

Paraffins.—Crude scale material was advanced five points per pound. Following the increase the 122-24 a.m.p. was quoted at 2.75c. to 2.80c. per pound and the 124-26 a.m.p. was at 2.75c. to 2.85c. Yellow crude scale was posted at 2.75c. per pound. Buying was heavy during the week and stocks in hands of many refiners were depleted. Refined grades were firm and moving in normal fashion.

Petrolatums.—Routine movement of small-lots continued to feature the market. Prices were firm and unchanged.

White Mineral Oils.—Fair call. Prices firm.

Markets at Other Centers

Chicago—Feb. 28

Somewhat mixed tendencies are noted in the petrolatums and waxes, with paraffin tending to show some little improvement and with the rest of the products in this group little changed or even quite dull. Wax has been attracting more interest.

PARAFFINS.—Interest better, market firmer.

PETROLATUMS.—Fair buying, prices unchanged.

WHITE MINERAL OILS.—Buying moderate, no change in price.

Tulsa—Feb. 28

More inquiries have developed for several grades of waxes in anticipation of Summer consumptive demand. Quotations were stronger.

PARAFFIN.—Inquiries for future deliveries greater. Quotatons stronger.

PETROLATUMS. — Demand quiet. Prices firm.

Fuels and Lubricants

Gasoline.—Demand fair. Price firm.

Kerosene. — Routine market. No prices changed.

Lubricating Oils.—Pennsylvania 600-650 steam refined cylinder oil advanced ½c. per gallon to 9c. to 11c. at refinery. Domestic demand good. Neutral oils tight.

Markets at Other Centers

Chicago—Feb. 28

Gasoline is firmer, with consumption improving. Kerosene is in good tone, with outlook improved. Lubricating oils are in better call.

GASOLINE. — Demand good, market firming.

KEROSENE.—Fair orders, prices steady.

LUBRICATING OILS.—Good buying, market stiffer.

New Orleans—Feb. 28

Continued quiet was reflected in the market on gasoline and kerosene during the past week, with prices steady.

GASOLINE.—Demand slow; price stable.

KEROSENE.—Market normal; no price change.

Tulsa—Feb. 28

Gasoline consumption has been stepped up materially. Kerosene is still scarce and strong.

GASOLINE.—Demand active. Prices rising.

KEROSENE.—Demand increasing and product scarce. Prices stronger.

LUBRICANTS.—Greater inquiries. Prices firm.

Petroleum Probe Asked To Set National Policy

OPD Washington Bureau
February 25, 1941

A nationwide investigation of the petroleum industry to enable Congress to establish a definite national oil policy is being considered by the Federal Trade Commission, James A. Horton, chief examiner, has told the Temporary National Economic Committee. Mr. Horton asked the committee to recommend to Congress an increase in funds to permit the commission to initiate such an investigation. He suggested that investigations might be undertaken of numerous other industries on which Congress may desire to establish a national policy in the light of the national defense program.

Trade Briefs

Standard Oil Company of Ohio will defer the proposed offering of 150,000 shares of new 4 percent cumulative preferred stock.

Ohio Standard Oil Company plans construction of a new aviation gasoline plant in Toledo, with completion set for November 1.

Crude petroleum requirements of United States amounts to 1,250,256,188 barrels of 42 gallons per barrel, according to 1939 report of the Bureau of Census.

Gulf Refining Company, Pittsburgh, has been notified by the Federal Trade Commission that its complaint against the company charging violations of the Federal trade commission act in the sale of lubricating oil has been dismissed.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Nat. Pet. Ass'n, April 25-26, Cleveland.

MASKING PERFUMES for BAD SMELLING PRODUCTS

- *DEPENDABLE*
- *EFFECTIVE*
- *ECONOMICAL*

JAVOLLAL — A substitute for citronella; imparts cleaner, finer odor.

METHALATE "C" — Replaces methyl salicylate in technical processes at low cost.

SAFRELLA — A low priced, effective substitute for artificial sassafras.

NEUTROLEUM — Completely neutralizes the odor of all preparations based on petroleum distillates.

Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.

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Englewood, N.J. Refinery, Warren, Pa.

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Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.

THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

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Three-hundred-sixty-seventh Instalment

Phenol

Dispersing Agents for Emulsifying or Colloidally Suspending Phenol

(Continued from February 24 issue)

Isopropylnaphthalenesulphonic acid
Kali penetrators
Kaolin
Kapinol
Lanoclarin
Laurylnapthionic acid
Lead-titanium tungstate-resinate
Lecithin
Lentil starch
Lichenin
Magnesium arabate
Magnesium oleate
Magnesium valerate
Merpentine
Mesitylenedisulphonic acid
Mesitylenesulphonic acid
Meta-aminodimethylanilin
Methyl acetylricinoleate
Methyl ester of acetylated polymerized ricinoleic acid
Methyl ester of polymerized ricinoleic acid
Methyl ether of carragheen
Methyl ether of inulin
Methyl ether of lichenin
Methyl oleicsulphonate
Methyl ricinoleate
Methyl undecylinate
Methylcellulose
Methyldextrin
Methyldodecylaminoacetic acid
Methylethyleneglycol monopalmitate
Methylhexalin
Methylnaphthalensulphonic acid
Miscibol
Monobutylnaphthalenesulphonic acid
Monocarboxylic acid of monocyclic terpene
Monopole oil
Montanimidoethyl ether hydrochloride
Monostearates
Mucilages
Naccolene
Nacconol
Naccosol
Nacon
Naphtha oil, sulphonated
Naphthalenesulphonic acid
Naphthalides of oxyfatty acids
Naphthenic acid
Naphthenic acid derivatives and their salts
Neomerpin
Neopen
Nucleinic acids
Oat starch
Octcyl alcohol
Octylguanidin hydrochloride
Oleic benzylglycosulphonate
Oleic cyclohexylamine
Oleoglyceryl sulphate
Oleyldiethylethylenediamine
Oxyalkylated aromatic sulphonic acids
Oxylalkylated hydroaromatic sulphonic acids
Oxyethylated fatty amines
Palmitic acid, sulphonated
Paracymene sulphamides
Paradiethyldodecylamine normal oxide
Paradimethylaminododecylbenzene normal oxide
Paradimethylaminolaurophenone normal oxide
Paradimethylaminostearophenone normal oxide
Pea starch
Pectins
Penetalene
Penetraline
Perminol
Perpentol
Pepper starch
Phenanthrenedisulphonic acid
Phenanthrenesulphonic acid
Polyglycerol esters
Polyglycol esters
Polysaccharides
Potassium betatetrahydronaphthalenesulphonate
Potassium heptanaphthalenesulphonate
Potassium hexanaphthalenesulphonate
Potassium isoallylnaphthalenesulphonate
Potassium isopropylchloronaphthalenesulphonate
Potassium linoleate
Potassium oleoabietate
Potassium pentylnaphthalenesulphonate
Potassium propylnaphthalenesulphonate
Potassium resinate
Potassium ricinoleicsulphonate
Potassium stearate
Potato starch
Proteirs
Proteids
Pseudocumenedisulphonic acid
Red oil
Rice starch
Ricinoleic acid
Ricinoleic acid sulphuricdiester
Rye flour
Sago starch
Salts of uretanes containing carobxyl groups
Saponins
Semiether of glycol fatty alcohols
Semiether of polyglycol fatty alcohols
Sicapon
Sludge sulphonates
Sludge sulphonic acid
Soap
Soap, soda tallow
Soap sludge, sulphonated
Sodium alginate
Sodium alphatetrahydronaphthalenesulphonate
Sodium arabate
Sodium betatetrahydronaphthalenesulphonate
Sodium butylnaphthalenesulphonate
Sodium 1:6-chloronaphthalenesulphonate
Sodium cresylate
Sodium decylsulphonate
Sodium isopropylchloronaphthalenesulphonate
Sodium dihydroxystearate
Sodium galactonate
Sodium gallate
Sodium gluconate
Sodium hydroxide
Sodium laurylethylsulphonate
Sodium linoleate
Sodium methylnaphthalenesulphonate
Sodium monobenzylsulphanilate
Sodium oleate
Sodium oleicethylsulphonate
Sodium oleostearicsulphonate
Sodium oleylmethyloxamate
Sodium pentanaphthalenesulphonate
Sodium propylnaphthalenesulphonate
Sodium resinate
Sodium salicylate
Sodium salt of laurylsulphuric ester and lauryl glucoside
Sodium salt of naphthalenesulphonic acid
Sodium salt of ricinoleicsulphuric ester and lauryl glucoside
Sodium stearate
Sodium tungstate
Sodium valerate
Solvoil
Soybean lecithin
Stannic-tetraphenyl
Starch
Stearamidin hydrochloride
Stearic amide
Sulpholein
Sulpho fatty acids
Sulphonated acylamino ethers
Sulphonated aromatic derivatives
Tall oil normal butylester
Tapioca starch
Tetradecene
Tragacanth
Triethanolamine
Triethanolamine linoleate
Triethanolamine oleate
Trihydroxyethylamine
Trihydroxyethylamine linoleate
Trihydroxyethylamine oleate
Trihydroxyethylamine stearate
Trisodium phosphate
Turkey red oil
Wheat flour
Wheat starch
Wool olein
Vegetable oils, sulphonated

Extractants for Separating Phenol from Coke-Plant Effuents

Anilin
Anthracene oils (with pyridin-quinolin content of 4%)
Pyridin
Quinolin
Tricresyl phosphate

Solvents for Phenol

Alcohol, ethyl
Acetic acid, glacial
Ammonia
Carbon tetrachloride
Deithylamine
Dichloroethylene
Difluorotetrachloroethane (slightly)
Ethanol
Ether
Glycerin
Isopentylamine
Methylamine
Glycopon AA, AAA, 4A, and S
Sodium sulphoricinoleate
Sulphoricinoleic acid
Trichloroethylene
Tricresyl phosphate
Trifluorotrichloroethane (slightly)

Special Reagents for Detection of Phenol

2:6-Dibromoquinonechlorimide
2:6-Dichloroquinonechlorimide
Dihydroxyacetone with sulphuric acid
Formalin with sulphuric acid
Oxantin with sulphuric acid
Tartaric acid
Titanic acid anhydride (Hauser test)

New Solvents as Factors In Industrial Chemical Progress

By C. L. Gabriel
Commercial Solvents Corporation

(Continued from February 24 issue)

Derivatives of Solvents

Derivatives of the various solvents which have been discussed in many cases are important for their chemical rather than solvent uses. While the most important product derived from butanol is butyl acetate, used as a solvent, and while another product, dibutyl phthalate, is used as a plasticizer, butyraldehyde, produced by the catalytic oxidation of butanol, plays an important part in the preparation of rubber accelerators and resinous products. It is interesting to note that rubber accelerators made from butyraldehyde have been in use for over fifteen years, which is a long life for any accelerator.

When butyraldehyde is reacted with a polyvinyl alcohol, a resin of the polyvinyl-acetal type is formed. The product is clear and colorless and is usually mixed with a plasticizer, such as dibutyl sebacate, and rolled into thin sheets which have great elasticity. These sheets are used between two pieces of plate glass to make the most up-to-date type of safety glass. This new product has practically replaced the cellulose acetate sheets previously used, which in turn had eliminated nitrocellulose or celluloid at an earlier date.

In 1920 the chief uses for acetone were as a solvent for acetylene in cylinders and for the production of photographic films. It is still being used for these purposes. but by far the greater consumption is for cellulose acetate production. An excellent method for dewaxing lubricating oils is based on the use of acetone in the selective solvent mixture. When treated with an alkali, acetone is converted into diacetone alcohol. When this material was first made, it was expected its chief use would be a solvent for cellulose acetate and nitrocellulose; however, much more diacetone is consumed in automobile brake fluids than for solvent purposes.

While methanol is a solvent, its greatest utilization is for other purposes— as an antifreeze for automobile cooling systems and in the form of its derivative, formaldehyde, in the production of resins and dyes.

Nitroparaffins

In 1940, which ends the twenty-year period of the development of new solvents, there has been installed and put into operation the first commercial plant for the production of nitroparaffins. Aliphatic hydrocarbons and nitric acid are brought together in the vapor phase at elevated temperatures to produce nitroparaffins in a crude form. For instance, when propane is treated with nitric acid in this manner, there are formed not only 1-nitropropane and 2-nitropropane but also nitroethane and nitromethane, which are separated from each other and purified by distillation and chemical means. They are excellent solvents for cellulose nitrate, the vinlites, and many resins. When mixed with an alcohol the nitroparaffins dissolve cellulose acetate, to supply a want that has long been felt in this industry. Before the advent of the nitroparaffins there were not available any moderately priced cellulose acetate solvents having rates of evaporation approximating those of butanol and butyl acetate. It therefore appears that the nitroparaffins may have a beneficial effect on the growth of cellulose acetate coating materials.

The nitroparaffins, besides being solvents, are much more reactive materials chemically than any of the products discussed above. They are easily reduced to the corresponding amines. When reacted with formaldehyde in the presence of an alkali the nitroparaffins form nitroalcohols, nitroglycols, and in the case of nitromethane a nitroglycerol type of material. These nitrohydroxy compounds when reduced yield the corresponding aminohydroxy compounds. When a primary nitroparaffin is treated with a strong mineral acid, there is formed a fatty acid having the same number of carbon atoms as the nitroparaffin and hydroxylamine in the form of salt of the mineral acid which was used in the reaction.

About one thousand derivatives have so far been made, and it is difficult to prophesy whether the greater volume of the nitroparaffins will eventually be used as solvents or in chemical syntheses.

Influence of New Solvents

It is evident that the new solvents have had a great influence on the growth of chemical industries in this country. A huge tonnage of these materials is being produced each year. The production of acetic acid had to be multiplied many times. Even coaltar chemicals have been affected, as phthalic anhydride, made from naphthalene, finds large use not only in the alkyd resins and dibutyl phthalate but also in dimethyl phthalate and diethyl phthalate, which are the more important plasticizers for cellulose acetate plastics. These plastics together with cellulose acetate fibers now constitute an immense industry. The growth of urea-formaldehyde and phenolformaldehyde resins may be attributed considerably to the lower price brought about by synthetic methanol. Glycerin obtained as a by-product in the soap industry has been greatly helped by the use of this material in alkyd resins and ester gums. Important tonnages of chlorine and caustic soda are used to make solvents from hydrocarbons.

Probably one of the most noteworthy developments of the past twenty years has been the chemical utilization of petroleum gases. These gases are now used for the production of methanol, ethyl alcohol, isopropyl alcohol, and secondary butyl and amyl alcohols. Ketones, such as acetone and methylethyl ketone are made from these gases, as are also the newly commercialized nitroparaffins. Diluents to replace toluene in nitrocellulose lacquers are being produced by properly treating petroleum fractions. The newest developments in the production of chemicals from petroleum are toluene and butadiene from which rubber is synthesized.

New technological developments will continue to be made and undoubtedly will bring about a demand for new solvents to meet special needs, and vice versa, new solvents will be developed which will influence the growth of the chemical industry in many directions. Synthetic organic chemistry, especially that part relating to aliphatics, appears to be moving forward at a faster rate than ever. It is therefore conceivable that a similar review of the twenty-year period beginning in 1940 will show even more marked advances in this industry due to new solvents than those which have just been outlined.

National Lead Negotiating For Ilmenite Deposits

The titanium division of the National Lead Company is negotiating for the purchase of property held by the MacIntyre Iron Company, located in the Adirondack Mountains at Tahawus, Essex county, N. Y.

In the event that the negotiations are completed successfully, the titanium division will open up the MacIntyre deposits as a source of ilmenite for the continued operation of its two plants at St. Louis, Mo., and Sayreville, New Jersey, where titanium pigments are manufactured.

Dispersion Dryer Discussed

Featured in an attractive new eight-page bulletin is the new 'Turbulaire' dispersion dryer manufactured by Western Precipitation Corporation of Los Angeles. Copies of this bulletin may be obtained by writing to the company at 1016 West Ninth street, Los Angeles, mentioning the REPORTER.

Glyco Products Company is now located at 230 King street, Brooklyn.

Fertilizer Materials

Domestic and Imported Bone Materials Stronger and Scarcer —South American Freight Rates Higher—Space Hard to Obtain—Blood and Tankage Weaken

The market for various bone materials was stronger during the period under review and several advances were recorded. The strength was due to a slight scarcity in domestic supplies and the higher freight rates on South American materials, which also were scarce. Freight space from South America was hard to obtain, shipping lines being inclined to show preference to higher-priced products. Advances were recorded for the domestic and imported raw bone and the imported steamed bone meal of two qualities.

Imported blood and tankage were stronger but no changes were made. Feeding tankage weakened and reductions were made at New York and Chicago. High-grade ground blood was lowered at the latter point. Chemical materials were moving in routine fashion. Export call for sulphate of ammonia remained heavy but there were reports that shipping licenses were becoming hard to obtain. Demand for sulphur was quiet. Purchasers of crude sulphur were paying higher prices for delivery due to an increase in ocean freights.

Nitrogenates

Ammonia Phosphate. — Routine. Offerings limited.

Anhydrous Ammonia.—No change in market status. Shipments normal. Price unchanged and firm.

Cyanamid. — Offerings curtailed. Prices steady.

Dried Blood.—High-grade ground material lowered 10c. per unit to $2.75, f.o.b. Chicago. Other grades firm and unchanged.

Fish Scrap.—Small sales of North Carolina menhaden were reported. No Chesapeake Bay material available.

Nitrate of Soda.—Fair movement for this time of year. Heavier shipments expected in early Spring. Price unchanged.

Nitrogenous Material.—Demand normal. Price firm.

Sulphate of Ammonia. — Supplies scarce. Good export call with price about $42 per ton. December exports from the United States totaled 21,802 tons, valued at $714,543. The British minister of agriculture has appealed to farmers to increase the use of sulphate of ammonia in the 1941 Spring season.

Tankage.—Feeding grade lowered 15c. per unit to $2.35 and 10c. at New York and 10c. per unit to $2.75 and 10c. at Chicago. Other prices firm.

Potashes

Potash materials remained somewhat slow with deliveries mostly in small-sized lots. The majority of consumers had already taken their needs. Replacement material will begin moving out in the Spring. All prices were firm and unchanged.

Phosphates

Bone Materials. — Raw domestic 4½ and 50 percent bone advanced $2.50 per ton to $32.50, f.o.b. Chicago. Imported raw bone up $1 per ton to $33, c.i.f. ports. The 3 and 50 percent steamed domestic meal was unchanged but the imported grade was advanced $1.50 per ton to $33. Imported 1 and 65-70 percent steamed meal was increased $2.50 per ton to $40.

Phosphate Rock.—Fair movement. Price firm.

Superphosphate.—Routine call. No change in prices.

Sulphur and Pyrites

Offerings and demand for crude sulphur were at about the same level as the preceding week. The f.o.b. price was unchanged but cost to consumer increased due to a boost in ocean freight rates. Exports of crude sulphur from the United States in December totaled 45,642 tons, valued at $750,986.

Price Changes

Advanced

Bone, raw, dom., $2.50 per ton, f.o.b. Chi.
imp., $1 per ton, c.i.f. ports.
meal, steamed, imp., 3% and 50%, $1.50 per ton, c.i.f. ports.
1% and 65-75%, $2.50 per ton, c.i.f. ports.

Reduced

Blood, dried, dom., high-grade grd., 10c. per unit, f.o.b. Chi.
Tankage, feed, bulk, 15c. per unit, f.o.b. N. Y.
10c. per unit, f.o.b. Chi.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	68.0	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Atlanta—Feb. 28

Purchases of fertilizer materials by producers of mixed goods are picking up in the Southeast. The price of cottonseed meal was at $25 to $25.50 per ton. Foreign and domestic blood and tankage prices are nominal.

SUPERPHOSPHATE.—55c. per unit, interior producing points.

NITRATE OF SODA.—Bulk, $27 per ton, ports.

SULPHATE OF AMMONIA.—Nominally, $28 per ton, ports.

COTTONSEED MEAL.—8 percent grade $25 to $25.50, Southeast.

Baltimore—Feb. 28

The quiet that has prevailed in the market for crude fertilizer materials shows no sign of giving place to greater activity. Buying continues on a small scale, though sellers believe that demand will soon become more active.

FISH SCRAP.—The first when-and-if-made transaction in herring scrap has been recorded at $4 per unit-ton. According to reports from the South, menhaden scrap has changed hands at $51 per ton and menhaden meal at $54 per ton.

SUPERPHOSPHATE.—Trading still on a restricted scale. Quotations nominally unchanged at $8 per ton for run-of-pile and at $8.50 per ton for 16 percent flat material.

TANKAGE.—Sales negotiated around $2.50 and 10c. per unit-ton, f.o.b. New York.

DRIED BLOOD.—Last business was done at $2.65 per unit-ton, f.o.b. New York. South American supplies can be had around $2.55 per unit-ton, c.i.f.

BONE.—The price level for 3 and 50 ground steamed stocks continues to range around $34 per ton, c.i.f. for feeding grades, with 1 and 60 bone flour about $40 per ton, f.o.b. shipping point. Sellers of 4½ and 50 ground raw stocks are asking $32.50 per ton.

SULPHATE OF AMMONIA.—Some easing in the market is reported to have taken place, with last business negotiated at $43.50 per ton for export. The decline is attributed to increasing difficulties in getting shipping licenses.

Chicago—Feb. 28

Rather inactive market was noted for most grades of fertilizer materials here. Blood and tankage were in moderate call

—Continued on page 62

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Potash Salts Production From Alunite Planned

Production of soluble potash salts from deposits of alunite in the bed of Lake Campion, Western Australia, has been proposed, according to the Chemical Division of the Department of Commerce. The deposits are estimated at 2,000,000 tons of alunite which can be worked by dredging and from this quantity approximately 250,000 tons of potassium sulphate can be produced. The immediate objective is to operate on a basis of 200 tons potassium sulphate weekly which should be sufficient to supply the Commonwealth demand.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

P. C. A. Red Muriate is ideal in plant operation—Uniform in color—Uniform in analysis—Uniform in grain size.
Muriate of Potash—50% and 60%
Manure Salts
PCA
RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND
SOUTHERN SALES OFFICE: MORTGAGE GUARANTEE BUILDING, ATLANTA, GEORGIA

Effective Ass'n Action Essential

—*Continued from page* 5

that trade association agreed to submit data revealing intimate details of their respective businesses, including price lists, quotations made at variance from submitted price lists, prospective purchasers' names and addresses, points of shipment, special quotations, terms and discounts, and other types of information. In the event of failure by members to submit this information, financial forfeits were provided for, and it was carefully set forth in the agreement that no part of the trade associations' plan of operation was to be used to fix prices, divide territory, limit sales production or manufacture, or to control production. In spite of such an attempt at legal protection, however, the Supreme Court of the United States stated that "'with intimate knowledge of the affairs of other producers and obligated as stated, but proclaiming themselves competitors, the subscribers went forth to deal with widely separated and unorganized customers necessarily ignorant of the true conditions. Obviously they were not bona-fide competitors; their claim in that regard is at war with common experience and hardly compatible with fair dealing."

"In the "Maple Flooring" case the Supreme Court of the United States upheld the activities of the Maple Flooring Manufacturers Association. The association computed and distributed among members the average cost to purchasers of all dimensions and grades of flooring. It compiled and distributed among members a booklet showing freight rates from Cadillac, Mich., to several thousand points of shipment in the United States. It gathered statistics from the membership giving complete information as to quantity and kind of flooring sold and prices received by the reporting members and the amount of stocks on hand. This information was summarized by the secretary and transmitted to members without revealing the identity of the members in connection with any specific information which was transmitted. Meetings were held at which the members or their representatives gathered and discussed problems of the industry and exchanged views as to how to solve them.

Open Recording Legal

The Supreme Court of the United States decided that the activities of the trade association did not limit the freedom of competition among the sellers. Any effect on prices and production from the activities of the trade association was only that which would naturally flow from the dissemination of general knowledge in regard to trade conditions. In its opinion the court said:—

We decide only that trade associations or combinations of persons or corporations which openly and fairly gather and disseminate information as to the cost of their product, the volume of production, the actual price which the product has brought in past transactions, stocks of merchandise on hand, approximate cost of transportation from the principal point of shipment to the points of consumption as did these defendants, and who, as they did, meet and discuss such information and statistics without however reaching or attempting to reach any agreement or any concerted action with respect to prices or production or restraining competition, do not thereby engage in unlawful restraint of commerce.

The Cement Manufacturers Association case was similarly presented to the Supreme Court of the United States regarding a group of trade association practices which were upheld as perfectly lawful. They were the collection and dissemination of:—(1) information concerning credits; (2) information concerning contracts for the delivery of cement; (3) information concerning freight rates on cement; and (4) statistical information as to production, stocks on hand, and shipments. The sole question which concerned the court was whether the activities of the trade association as actually conducted had a necessary tendency to restrain or limit competition in interstate commerce. It decided in the negative.

Price-Control Disapproved

Price-fixing activities of trade associations have been condemned by the decision of the Supreme Court of the United States in the "Trenton Potteries" case in which price-fixing and price-stabilization were declared to be illegal, even if the prices so fixed or stabilized were reasonable. The court in that case said that the aim and result of every price-fixing agreement, if effective, is the elimination of one form of competition. The power to fix prices, whether reasonably exercised or not, involves the power to control the market and to fix arbitrary and unreasonable prices. The court said that agreements which create such potential power may well be held to be in themselves unreasonable or unlawful restraints, without the necessity of minute inquiry whether a particular price is reasonable or unreasonable as fixed and without placing on the government in enforcing the Sherman law the burden of ascertaining from day to day whether it had become unreasonable through the mere variation of economic conditions.

Moreover, in the opinion of the court, in the absence of express legislation requiring it, the courts should hesitate to adopt a construction making the difference between legal and illegal conduct in the field of business relations depend upon so uncertain a test as whether prices are reasonable—a determination which can be satisfactorily made only after a complete survey of our economic organization and a choice between different philosophies. The court held that it has often been decided and always assumed that uniform price-fixing by those controlling in any substantial manner a trade or business in interstate commerce is prohibited by the Sherman law, despite the reasonableness of the particular prices agreed upon.

Following the Schechter decision, which outlawed the national industrial recovery act and abolished all exemptions from the antitrust laws which were sactioned by provisions approved in many codes of fair competition, many trade associations abandoned most of the practices and concerted activities which were considered by their legal counsel to be in violation of the antitrust laws. Those which did not recognize the return of the antitrust laws to full force and effect became involved with the Antitrust Division of the Department of Justice or the Federal Trade Commission in actions which questioned their right to engage in such activities as fixing prices, dividing territory or business, controlling production, maintaining resale prices, and the like.

The "Sugar Institute" case presents the most important pronouncement by the Supreme Court of the United States regarding the statistical activities of trade associations in recent years. The sugar manufacturers agree to adhere to their published prices until prior public notice of change had been given and changes were not to become effective until the day after announcement. The agreement to adhere to the announced prices was held to constitute an unreasonable restraint of trade because it destroyed important competitive opportunities. The members of the Sugar Institute concertedly undertook to sell in certain territory only at delivered prices and prohibited long-term contracts, quantity discounts, and allowances to customers for the return of used bags. They adopted uniform credit terms, restricted sales of damaged sugar and frozen stocks, restricted customers' use of shipments of sugar by private charter, and restricted customers' use of certain transportation privileges, such as transmitting and diversion. They also took concerted action with regard to other selling terms and sales methods.

It was conceded that the objective of these various undertakings was to extend the uniformity in basic price to every element which might introduce a variation in cost. It was the contention of the members of the Sugar Institute that the means adopted were reasonably necessary to prevent discrimination between customers, and that it was a valid and legitimate objective. The court found, however, that the means adopted by the Sugar Institute suppressed occasions for competition among the producers which might be brought about by opportunities to effect variation in cost to the buyers. Such being the purpose and effect of the various undertakings, they were held to be illegal and were enjoined.

The most recent case of interest to trade association executives decided by the Supreme Court of the United States relating to price fixing is the "Madison Oil" case. In the opinion in that case it was stated that for over forty years the supreme court has consistently and without deviation adhered to the principle that price-fixing agreements are unlawful per se under the Sherman act and that no showing of so-called "competitive abuses" or evils which those agreements were designed to eliminate or alleviate may be interposed as a defense. The court stated that even though the members of a price-fixing group were in position to control the market, to the extent that they raised, lowered, or stabilized prices, they would be directly interfering with the free play of market forces. The Sherman act places all schemes beyond the pale and protects that vital part of our economy against any degree of interference. Congress has not left it to the courts to determine whether or not particular price-fixing schemes are wise or unwise, healthy or unhealthy.

(To be continued)

Fertilizer Materials

Markets at Other Centers

—*Continued from page* 61

at easier prices. Interest was displayed in some bone materials, but quantities wanted mostly were limited.

BLOOD.—Principal grade, $2.75 per unit.

TANKAGE.—High grade, feeding, $2.75 and 10c.; liquid stick, $1.50 to $1.65; hoof meal, $2.75 to $2.90.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $33 to $35; 4½ and 50 percent, $32.50; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; beef cracklings, soft pressed, $32.50 to $35; pork cracklings, soft pressed, $35 to $37.50; hard pressed cracklings, per unit of protein, 60c. to 65c.

San Francisco—Feb. 28

Activity in crude fertilizer materials is good and shipments are being ordered out. An interesting feature of the week was the release of Canadian supplies of sulphate of ammonia and ammonia phosphate on a market that took these materials up quickly. The sales were against bids, which amounted to $45 per ton on sulphate, with phosphate going at the schedule price. Animal products are firm and fish meal is scarce.

SULPHATE OF AMMONIA.—Supplies of Canadian material moving at $44 per ton, ex-ship, ports, and $45 delivered inland points. Stocks scarce.

SUPERPHOSPHATE.—80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OR SODA.—100-pound bags, $28.70 per ton, ex-vessel or warehouse. Bulk, $27.

FISH MEAL.—Steady and scarce. Spot, 67% protein, $58.50 per ton, f.o.b. San Francisco Bay; 65% protein, $55, f.o.b. Monterey.

TANKAGE.—Steady. Stocks light. Wet-rendered practically unobtainable. Dry-rendered, ground, 50%, $39.50 to $40 per ton, f.o.b. cars; 55%, $41. Unground, domestic dry-rendered, 67½c. to 70c. per unit of protein, f.o.b. cars, South San Francisco.

BLOOD MEAL.—Domestic, $2.85 per unit, f.o.b. cars, Los Angeles.

Dallas Production Club Sets Fort Worth Dates

The Dallas Paint and Varnish Production Club February meeting was attended by twenty-three members and guests. The meeting was addressed by B. P. McHan, of the Calcium Carbonate Company, on "Powder That Passes the Screen Test." Following his address Mr. McHan answered questions from the floor. The program committee reported that the speaker for next meeting will be from George S. Mepham Corporation. It was agreed to have two meetings in Fort Worth this year, the first to be in April.

Lydia E. Pinkham Company, proprietary medicine manufacturer, Lynn, Mass., for which a fight for control has been waged for four years, was terminated February 17 when State Supreme Court Justice Thayer denied a plea by a group of officers and stockholders that the company be placed in bankruptcy.

DISRAELI HAD A WORD FOR IT

DISRAELI, Prime Minister during the British Empire's great expansion period of the last century, used to say that there was "no better barometer to show the state of an industrial nation than the figure representing the consumption of sulphuric acid."

Disraeli's word for it is as apt today as it was three-quarters of a century ago. A nation's productivity can be accurately measured by its output and use of sulphuric acid.

Supplying the raw material for sulphuric acid are our mines in Texas and Louisiana, and our ample stocks above ground of 99½ per cent pure sulphur, free from arsenic, selenium and tellurium. Experience gained in more than 25 years of operation assures our customers the utmost in speedy, dependable service.

FREEPORT SULPHUR COMPANY

122 East 42nd Street New York City

Shipping Information

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Imports at U.S. Ports

New York Imports

ALCOHOL—100 pipes, New York & Cuba Mail S S Co, Havana
122 half pipes, New York & Cuba Mail S S Co, Havana
426 quarter pipes, New York & Cuba Mail S S Co, Havana

ANTIMONY ORE—194 bgs, Chemical Bank & Trust Co, Vera Cruz
3,220 bgs, Banco Minero de Bolivia, Antofagasta
280 bgs, Banco Minero de Bolivia, Antofagasta
1,466 bgs, I Henry Schroeder Banking Corp, Antofagasta

ARSENIC, WHITE—139 bbls, American Smelting & Refg Co, Tampico

BEEF EXTRACT—89 cs, Armour & Co, Montevideo

BISMUTH, REFD—198 cs, Cerro de Pasco Copper Co, Callao

BONE MEAL—1,000 bgs, Buenos Aires

BONES, GLUE—200 bgs, Irving Trust Co, Santos

BRISTLES—15 cs, H Rosenhirsch & Son, Japan
50 cs, N Wagman Co, Japan
63 cs, S Hirsenhorn & Co, Japan
10 cs, A A Krejtman, Japan
40 cs, F W Von Stade, Japan
55 cs, Japan
130 cs, Mitsubishi Shoji Kaisha, Japan
25 cs, Irving Trust Co, Japan
52 cs, Bingham & Co, Japan
5 cs, M Broverman & Son, Japan
55 cs, N Wagman Co, Japan
26 cs, H Rosenhirsch & Son, Japan
3 cs, Wells Fargo Express, Vera Cruz

BUCHU LEAVES—10 bls, Peek & Velsor, Capetown

CANAIGRE ROOT—506 bgs, F W Pabst, Vera Cruz

CANARY SEED—326 bgs, Buenos Aires
503 bgs, Buenos Aires

CARDAMOM—20 cs, Colombo
20 cs, Colombo
30 cs, Volkart Bros, Colombo
40 cs, Colombo
34 cs, Colombo
20 cs, Colombo

CAROB BEANS—3,000 bls, M F Meal & Co, Alexandria

CASEIN—417 bgs, Chemical Bank Trust Co, Buenos Aires
834 bgs, Chase National Bank, Buenos Aires
1,000 bgs, Chemical Bank Trust Co, Buenos Aires
1,668 bgs, Chase National Bank, Buenos Aires
250 bgs, C W Burckhalter, Buenos Aires
100 bgs, A Hurst & Co, Buenos Aires
168 bgs, Buenos Aires
834 bgs, American Cyanamid & Chemical Co, Buenos Aires
100 bgs, Buenos Aires
417 bgs, American British Chemical Supplies, Buenos Aires

CASSIA—200 bls, B H Old & Co, Kobe
90 bls, Edmond Weil, Inc, Saigon
300 bls, Knickerbocker Mills Co, Hongkong
300 bls, A G Dunn, Hongkong

BROKEN—180 bls, Edmond Weil, Inc, Saigon

ROLLS—50 cs, Wood & Selick, Hongkong
25 cs, Wood & Selick, Hongkong

VERA—14 bls, G L Curtin, Macassar
4 bls, Catz American Co, Batavia
14 bls, Catz American Co, Macassar
37 bls, Catz American Co, Macassar
98 bls, Catz American Co, Batavia

CASTOR BEANS—4,800 bgs, Baker Castor Oil Co, Ceara
3,250 bgs, Baker Castor Oil Co, Ceara
1,650 bgs, Spencer Kellogg & Sons, Ceara
1,506 bgs, Bunge North American Grain Co, Ceara
1,700 bgs, Berkshire Chemical Co, Pernambuco
1,700 bgs, Baker Castor Oil Co, Pernambuco
1,354 bgs, Spencer Kellogg & Sons, Pernambuco
1,354 bgs, Bunge North American Grain Co, Pernambuco
1,700 bgs, Spencer Kellogg & Sons, Pernambuco
1,700 bgs, Spencer Kellogg & Sons, Bahia
3,400 bgs, Baker Castor Oil Co, Pernambuco
1,354 bgs, Spencer Kellogg & Sons, Pernambuco
3,330 bgs, Bunge North American Grain Co, Pernambuco
1,700 bgs, Spencer Kellogg & Sons, Pernambuco
3,400 bgs, Baker Castor Oil Co, Pernambuco
1,354 bgs, Spencer Kellogg & Sons, Pernambuco
3,330 bgs, Bunge North American Grain Co, Pernambuco
1,658 bgs, Santos
5,000 bgs, Baker Castor Oil Co, Rio de Janeiro
3,654 bgs, Baker Castor Oil Co, Santos
4,770 bgs, Pan American Trust Co, Santos
1,728 bgs, Santos
3,681 bgs, Baker Castor Oil Co, Santos

CHILLIES—140 bgs, Mombasa
108 bgs, Lourenco Marques

CHROME ORE—1,000 tons, E J Lavino & Co, Beira
3,000 tons, E J Lavino & Co, Beira
1,000 tons, E J Lavino & Co, Beira
350 tons, E J Lavino & Co, Beira
2,648 tons, E J Lavino & Co, Beira
12 bgs, Mercantile Metal & Ore Corp, Durban
12 bgs, W H Muller & Co, Durban
12 bgs, Norton Lilly & Co, Durban

CINCHONA BARK—146 bgs, Banque Belge pour l'Etranger Dar Es Salaam
260 bgs, New York Quinine & Chemical Works, Batavia

CINNAMON—100 bls, C M Van Sillevoldt, Colombo
20 bls, Catz American Co, Batavia

QUILLS—50 bls, C T Wilson & Co, Colombo
50 bls, C T Wilson & Co, Colombo

CLOVES—113 bgs, Catz American Co, Amboina
50 bgs, Otto Gerdau Co, Amboina
56 bgs, Catz American Co, Amboina
16 bgs ,Forbes & Co, Amboina
100 bgs, Zanzibar
500 bgs, Geo Uhe & Co, Zanzibar
100 bgs, Zanzibar

COBALT, BEARING RESIDUE—195 dms, African Metal Corp, Beira

COCOA BEANS—200 bgs, Royal Neth S S Co, Curacao
8,000 bgs, A C Israel Commodity Co, Bahia
6,000 bgs, Nirschlag & Co, Bahia
6,000 bgs, A C Israel Commodity Co, Bahia
6,500 bgs, Nirschlag & Co, Bahia
6,000 bgs, A C Israel Commodity Co, Bahia
5,000 bgs, A C Israel Commodity Co, Bahia
750 bgs, Middleton & Co, Trinidad
250 bgs, Wood & Selick, Trinidad
150 bgs, General Cocoa Co, Trinidad
250 bgs, J Aron & Co, Trinidad
1,000 bgs, Farr & Co, Trinidad
2,000 bgs, J Henry Schroeder Banking Corp, Bahia
1,000 bgs, Bahia
170 bgs, Guaranty Trust Co, Belem
3,000 bgs, J Henry Schroeder Banking Corp, Bahia
1,000 bgs, Bahia
250 bgs, Kennedy Butcher Co, Trinidad
3,000 bgs, J Henry Schroeder Banking Corp, Bahia
150 bgs, General Cocoa Co, Trinidad
1,000 bgs, J Henry Schroeder Banking Corp, Bahia
250 bgs, Kennedy Butcher Co, Trinidad
1,210 bgs, Scholtz & Co, La Guaira
41 bgs, Daarnhouwer & Co, La Guaira
284 bgs, Royal Bank of Canada, Grenada
850 bgs, General Cocoa Co, Grenada
500 bgs, Wessel Kulenkampf & Co, Grenada
250 bgs, J Aron & Co, Grenada
102 bgs, Curacao Trading Co, Trujillo
364 bgs, Wessel Kulenkampf & Co, Trujillo
2,065 bgs, Irving Trust Co, Trujillo
253 bgs, Gillespie & Co, Trujillo
333 bgs, Machado & Co, Sanchez
160 bgs, Gillespie & Co, Sanchez
500 bgs, Wessel Kulenkampf & Co, Sanchez
1,324 bgs, Machado & Co, Sanchez
240 bgs, Machado & Co, Puerto Plata
500 bgs, Machado & Co, Puerto Plata
2,000 bgs, Guayaquil
250 bgs, Wood & Selick, Guayaquil
250 bgs, Wessel Duval & Co, Guayaquil
250 bgs, A Canale, Guayaquil
500 bgs, W R Grace & Co, Guayaquil
2 bgs, Tropic Food Co, Cristobal
4,400 bgs, Fruit Dispatch Co, Almerante
6,000 bgs, Fruit Dispatch Co, Pto Limon
250 bgs, General Cocoa Co, Trinidad

COCOA BUTTER—508 bls, Philadelphia Natl Bank, Bahia

COCONUT DESIC—300 cs, Wood & Selick, Colombo

COCONUTS—500 bgs, Barclay Bank, St. Lucia
157 bgs, H Schnell, St Lucia
93 bgs, I L Toledano Corp, Cristobal

COLOMBO ROOT—22 bgs, Avery F Payne Co, Zanzibar

COPAIBA BALSAM—10 dms, Cristobal
10 cs, Cristobal

CORK—24 bgs, L N Renault & Sons, Lisbon
SHAVINGS—1,500 bls, Mundet Cork Corp, Lisbon
SHEETS—600 bls, H Suhl, Seville
WASTE — 1,200 cs, Armstrong Cork Co, Seville
147 bls, Mundet Cork Corp, Lisbon
600 bls, Mundet Cork Corp, Lisbon
5,000 cs, Armstrong Cork Co, Lisbon
1,330 cs, Armstrong Cork Co, Lisbon
1,130 bls, Mundet Cork Corp, Lisbon
398 bls, Mundet Cork Corp, Lisbon
440 bls, Lisbon

WOOD—32 bls, Wicander & Co, Lisbon
150 bls, Mundet Cork Corp, Lisbon
115 bls, Chase National Bank, Lisbon
55 bls, Lisbon
20 bls, Mundet Cork Corp, Lisbon
55 bls, Mundet Cork Corp, Lisbon
185 bls, Chase National Bank, Lisbon
68 bls, Wicander & Co, Lisbon
50 bls, Mundet Cork Corp, Lisbon

COTTON LINTERS — 895 bls, Kanders Struber Co, Santos
233 bls, Kanders Struber Co, Santos
28 bls, Williamson Prod Co, Santos
236 bls, Norton Ellis, Santos
283 bls, Williamson Prod Co, Santos
40 bls, Camden Fibre Co, Santos
40 bls, Camden Fibre Co, Santos
2 bls, Williamson Prod Co, Santos
25 bls, Tradesman National Bank, Callao
142 bls, Williamson Prod Co, Pernambuco
112 bls, Williamson Prod Co, Pernambuco
51 bls, Williamson Prod Co, Pernambuco
192 bls, Williamson Prod Co, Pernambuco
267 bls, Hercules Powder Co, Santos
71 bls, New England Waste Co, Santos
126 bls, Moore & McCormack, Santos
330 bls, Santos
100 bls, Philadelphia National Bank, Santos
246 bls, Santos
150 bls, Philadelphia National Bank, Santos
721 bls, Hercules Powder Co, Santos
987 bls, New England Waste Co, Santos

MOTES—38 bls, New England Waste Co, Santos
84 bls, Santos
200 bls, Pan American Trust Co, Santos

COTTONSEED MEAL—2,200 bgs, Santos
2,160 bgs, S Stern Stiner & Co, Guayaquil
16,000 bgs, West Texas Cottonoil Co, Pisco

CUMIN SEED—200 bgs, Colombo
197 bgs, American Eastern Co, Alexandria
480 bgs, American Eastern Co, Alexandria
197 bgs, American Eastern Co, Alexandria

DILLSEED—177 bgs, B H Old & Co, Bombay
177 bgs, Otto Gerdau Co, Bombay
177 bgs, Levy & Levis Co, Bombay
266 bgs, C M Van Sillevoldt, Bombay
100 bgs, Biddle Purchasing Co, Bombay

DIVI DIVI—650 bgs, Continental Bank Trust Co, Barranquilla

EARTH—4 bgs, Pomeroy & Fischer, Havana

FLAXSEED—6,500 tons, 260,000 bu, Leval & Co, Buenos Aires

FLUORSPAR—Quantity, Tampico

GAMBIER—255 cs, American Cyanamid & Chem Co, Belawan Deli
170 cs, American Cyanamid & Chem Co, Belawan Deli

GLANDS—55 cs, Buenos Aires
13 cs, Santos

GLUESTOCK—30 bls, Milligan & Higgins Glue Co, Buenos Aires
22 bls, H Remis
119 bls, Manufacturers Trust Co, Buenos Aires

GLYCERIN—70 dms, Corn Exchange Bank Trust Co, Buenos Aires
100 dms, Buenos Aires

GUM ARABIC—150 bgs, Colony Import & Export Corp, Lourenco Marques
500 bgs, H Heide, Lourenco Marques
150 bgs, Frank Vliet Co, Lourenco Marques
250 bgs, R E Miller, Port Sudan
700 bgs, Port Sudan
150 bgs, Frank Vliet Co, Port Sudan
200 bgs, T M Duche & Sons, Port Sudan
200 bgs, E Meer & Co, Port Sudan
150 bgs, Port Sudan
250 bgs, R E Miller, Port Sudan
150 bgs, Frank Vliet Co, Port Sudan
250 bgs, Port Sudan
200 bgs, American Cyanamid & Chem Co, Port Sudan
150 bgs, Jacques Wolf & Co, Port Sudan
250 bgs, Paul A Dunkel & Co, Port Sudan
150 bgs, Thurston & Braidich, Port Sudan
100 bgs, A D Isbetcherian, Lourenco Marques
10 bgs, A D Isbetcherian, Lourenco Marques
150 bgs, Thurston & Braidich, Lourenco Marques
500 bgs, P A Dunkel & Co, Lourenco Marques
250 bgs, Kachurin Drug Co, Lourenco Marques
500 bgs, S B Penick & Co, Lourenco Marques
500 bgs, T M Duche & Sons, Lourenco Marques
150 bgs, Colony Import & Export Co, Lourenco Marques
200 bgs, Lourenco Marques

BENZOIN—42 cs, Sino Java Hvg, Sibolga

COPAL—105 baskets, O G Innes Corp, Amboina
127 baskets, Jacobus F Frank, Macassar
274 baskets, O G Innes Corp, Macassar
228 baskets, Stroock & Wittenberg, Macassar
196 bgs, Thurston & Braidich, Macassar
374 baskets, H P Winter & Co, Macassar
271 bgs, A Hurst & Co, Macassar
210 baskets, Far Eastern Representatives, Macassar
270 baskets, O G Innes Corp, Macassar
320 bgs, O G Innes Corp, Macassar
510 baskets, H P Winter & Co, Macassar
74 baskets, O G Innes Corp, Macassar
70 bgs, O G Innes Corp, Macassar
100 bgs, A Hurst & Co, Macassar
198 baskets, O G Innes Corp, Macassar
68 bgs, Stroock & Wittenberg, Macassar
65 baskets, Mitsui & Co, Macassar
232 baskets, Stroock & Wittenberg, Macassar
65 baskets, H P Winter & Co, Macassar
125 bgs, O G Innes Corp, Macassar
63 baskets, H P Winter & Co, Macassar
136 bgs, O G Innes Corp, Macassar
122 baskets, H P Winter & Co, Macassar
124 baskets, H P Winter & Co, Macassar
128 baskets, H P Winter & Co, Macassar

DAMMAR—150 cs, Stroock & Wittenberg, Singapore
210 bgs, Stroock & Wittenberg, Singapore
50 cs, Gillespie, Rogers, Pyatt Co, Singapore
128 bgs, Sino Java Hvg, Macassar
138 bgs, H P Winter & Co, Macassar
250 bgs, Thurston & Braidich, Batavia
300 cs, Thurston & Braidich, Batavia
472 cs, Thurston & Braidich, Batavia
300 cs, Thurston & Braidich, Batavia

GHATTI—228 bgs, Colony Import & Export Co, Bombay

GUAIAC—25 cs, Geck Trading Corp, Trujillo

LOCUST BEAN—85 bgs, V M Calderon & Co, Alexandria
75 bgs, V M Calderon & Co, Alexandria

NESPERO—72 bls, Chicle Development Co, Cristobal

HENNA LEAVES—66 bls, Lourenco Marques

HERBS—6 cs, S B Penick & Co, Buenos Aires
104 bls, R J Prentiss & Co, Buenos Aires

IPECAC ROOT—12 bgs, Wessel, Duval & Co, Cristobal

IRON OXIDE—250 bbls, C K Williams & Co, Malaga
63 bbls, Wishnick-Tumpeer, Inc, Malaga
333 bbls, Robinson Wagner Co, Malaga
167 bbls, Smith Color & Chemical Co, Malaga
250 bbls, C K Williams & Co, Malaga
50 bbls, Wishnick-Tumpeer, Inc, Malaga
200 bbls, Reichard-Coulston & Co, Malaga
157 bbls, Wishnick-Tumpeer, Inc, Malaga
125 bbls, Smith Color & Chemical Co, Malaga
193 bbls, C K Williams & Co, Malaga
34 bbls, Wishnick-Tumpeer, Inc, Malaga

JABORANDI LEAVES—59 bls, Inland Alkaloid Co, Rio de Janeiro

KETTLE DROSS—480 bgs, Cerro de Pasco Copper Co, Callao

KYANITE ORE—60 tons, Sea Board Refractories Co, Calcutta
250 tons, New York Trust Co, Calcutta

LIME JUICE—5 cks, Dominica

LOOFAHS—4 cs, American Sponge & Chamois Co, Japan

MACE—12 cs, Catz American Co, Macassar
25 cs, Catz American Co, Macassar
7 cs, Knickerbocker Mills Co, Grenada
15 cs, Catz American Co, Macassar
68 cs, Catz American Co, Macassar
77 cs, Catz American Co, Macassar
161 cs, Catz American Co, Macassar

MAGNESITE, GRAIN—300 bgs, Calcutta

LUMP—900 bgs, Calcutta

MANIOC FLOUR—850 bgs, National City Bank, Rio de Janeiro
368 bgs, Perkins Glue Co, Sao Francisco Sul
368 bgs, Perkins Glue Co, Sao Francisco Sul

MATE—17 cyls, International Mate Co, Buenos Aires

MEAT FLOUR—2,000 bgs, Wessel, Duval & Co, Porto Alegre

MEDICINAL PREPS—10 cs, New York & Cuba S S Co, Vera Cruz

MICA—52 cs, F D Pitts & Co, Rio de Janeiro
178 cs, A O Schoonmaker Insulation Co, Rio de Janeiro
169 cs, Ford Radio & Mica Co, Rio de Janeiro
24 cs, A O Schoonmaker Insulation Co, Rio de Janeiro

BLOCK—15 cs, Calcutta
15 cs, Schwab Bros Corp, Calcutta
32 cs, Schwab Bros Corp, Calcutta

SPLITTINGS—1,040 cs, Schwab Bros Corp, Calcutta
425 cs, Schwab Bros Corp, Calcutta
50 cs, General Electric Co, Calcutta
320 cs, General Electric Co, Calcutta

MILK POWD—6 cs, Nestles Milk Prod, Inc, Buenos Aires

MILLET SEED—100 bgs, Levy & Levis Co, Buenos Aires

MURU MURU KERNELS—1,000 bgs, General Food Sales Corp, Para

MUSTARD SEED—396 bgs, Kobe

NUTMEGS—160 bgs, B H Old & Co, Amboina
62 bgs, W E Martin, Amboina
72 bgs, G L Curtin, Amboina
65 bgs, Catz American Co, Macassar
255 bgs, Catz American Co, Macassar
150 bgs, Fritzsche Bros, Macassar
80 bgs, Dodge & Olcott Co, Macassar
80 cs, Frank Tea & Spice Co, Macassar
160 cs, Catz American Co, Macassar
160 pkgs, Catz American Co, Macassar
250 bgs, A G Dunn, Grenada
50 bgs, Thomas Scott & Co, Grenada
80 cs, Catz American Co, Macassar
65 bgs, Catz American Co, Macassar
65 bgs, Catz American Co, Macassar

OIL, ANISE—5 dms, Edmond Weil, Inc, Saigon
10 dms, Elbrook, Inc, Hongkong

BAY—14 cs, Dominica

CAJEPUT—2 dms, Orbis Product Corp, Namlea
3 dms, Ungerer & Co, Macassar
5 dms, Orbis Product Corp, Macassar
3 dms, J Berlage Co, Macassar
4 dms, Geo Lueders & Co, Macassar

CAMPHOR—25 dms, Ungerer & Co, Kobe
10 dms, Aries Co, Hongkong
25 dms, Magnus, Mabee & Reynard, Hongkong

CHINAWOOD—2,135 dms, Universal Trading Corp, Madras

CINNAMON LEAF—2 dms, Colgate-Palmolive-Peet Co, Colombo

CITRONELLA—304 cs, National City Bank, Tandjong Prick
29 dms, Catz American Co, Batavia
58 dms, J F Frank, Batavia

CITRUS—5 cs, C W Botkay, Rio Janiero

COCONUT—1,095 tons, Philippine Rfg Corp, Cebu

COD—52 cs, Canada

COTTONSEED—526 dms, I R Boody & Co, Santos

COTTONSEED, SEMI REFD—225,000 kilos, Gillespie & Co, Cabedello

FUEL—73,860 bbls, Asiatic Petroleum Corp, Curacao

LEMONGRASS—3 dms, Bank of London South America, Cristobal

LIME, DIST—28 dms, Dodge & Olcott Co, Trinidad
21 cs, Dodge & Olcott Co, Trinidad
11 cs, Dominica
6 cs, Barclay Bank, Grenada

NAPHTHENIC RESIDUE—135 dms, Oil & Chem Prod Co, Tampico

OITICICA—248 dms, S L Jones & Co, Ceara

ORANGE—11 cs, Santos

ORANGE BITTER—9 cs, Dominica

PALM—959 tons, Procter & Gamble Co, Belawan Deli
436 tons, Banque Belge pour L'Etranger, Belawan Deli

PETITGRAIN—8 dms, Buenos Aires
75 cs, S Stern Stiner & Co, Buenos Aires
12 dms, Guaranty Trust Co, Buenos Aires
50 cs, W R Grace & Co, Buenos Aires

RAPESEED, REFD—637,180 kilos, Murray Oil Product Co, Buenos Aires

ROSEWOOD—11 dms, Para

SASSAFRAS—3 cas, Geo Lueders & Co, Santos
7 cs, Allondon Bayonne & Co, Rio Janiero

ORE, CRUDE—950 bgs, Cotopaxe Expl Co, Guayaquil

PAPAIN—40 cs, Matheson & Co, Tanga

PATCHOULI LEAVES—69 bls, Volkart Bros, Penang
67 bls, Volkart Bros, Penang

PEPPER—418 bgs, Tampico
400 bgs, I Huber & Co, Tampico
100 bgs, Knickerbocker Mills Co, Tampico
200 bgs, Tampico

BLACK—225 bgs, Irving Trust Co, Oosthaven
4,655 bgs, Catz American Co, Batavia
500 bgs, Catz American Co, Batavia

PETROLEUM, CRUDE—73,136 bbls, Gulf Oil Corp, Las Piedras

POPPYSEED—70 bgs, Karachi
160 bgs, Ideal Produce Co, Bombay

POTASH, PERCHLORATE—87 kgs, Chilean Nitrate Sales Corp, Antofagasta

PYRETHRUM FLOWERS—50 bls, Lourenco Marques
125 bls, John Powell & Co, Mombasa
44 bls, Dodge & Olcott Co, Dar Es Salaam
50 bls, Lourenco Marques

QUEBRACHO EXTRACT—525 bgs, International Product Corp, Buenos Aires
1,186 bgs, International Product Corp, Buenos Aires

QUININE SULPHATE—25 cs, R W Greeff & Co, Batavia

RHATANY ROOT—3 bls, Steinhardter & Nordlinger, Arica

ROCK CRYSTAL—8 cs, Overseas Mercantile Corp, Rio Janeiro
40 cs, America Gem & Pearl Co, Rio Janeiro

ROOT MED—10 bgs, Rutger Bleecker & Co, Rio Janeiro

ROSIN—1 bg, Geck Trading Corp, Trujillo

SCHEELITE ORE—20 bgs, Watson Grach & Co, Beira

SENNA LEAVES—40 bls, Colombo
30 bls, Colombo
25 bls, Colombo
55 bls, Colombo

PODS—25 bls, Colombo

SHELLAC—100 bgs, Lind Meyer & Co, Calcutta
200 bgs, Mac Lac Co, Calcutta
100 bgs, Lind Meyer & Co, Calcutta
200 bgs, Bank of London, South America, Calcutta
100 bgs, Lind Meyer & Co, Calcutta
100 cs, Gillespie-Rogers-Pyatt Co, Calcutta
100 bgs, Lind Meyer & Co, Calcutta
200 bgs, E E Androvette, Calcutta
500 bgs, Carleton & Moffatt, Calcutta
375 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
200 bgs, E E Androvette, Calcutta
200 bgs, E E Androvette, Calcutta
25 cs, Gillespie-Rogers-Pyatt Co, Calcutta
50 cs, E E Androvette, Calcutta
200 bgs, Lind Meyer & Co, Calcutta
250 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
300 cs, E J Cornelis, Calcutta
300 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
300 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
400 bgs, E E Androvette, Calcutta
BUTTON LAC—125 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
GARNET LAC—50 cs, Gillespie, Rogers, Pyatt Co, Calcutta
SEEDLAC—125 bgs, Mac Lac Co, Calcutta
125 bgs, Bank of London South America, Calcutta
200 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Mac Lac Co, Calcutta
300 bgs, Wm Zinsser & Co, Calcutta
300 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Wm Zinsser & Co, Calcutta
300 bgs, E J Cornelis, Calcutta
100 bgs, Mac Lac Co, Calcutta
500 bgs, Gillespie, Rogers, Pyatt Co, Calcutta
600 bgs, Wm Zinsser & Co, Calcutta
200 bgs, E J Cornelis, Calcutta
200 bgs, Dings & Schuster, Calcutta
300 bgs, E J Cornelis, Calcutta
200 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Dings & Schuster, Calcutta
200 bgs, Gillespie, Rogers, Pyatt Co, Calcutta
400 bgs, Mac Lac Co, Calcutta
200 bgs, Dings & Schuster, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
200 bgs, Mantrose Corp, Calcutta
300 bgs, E J Cornelis, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
200 bgs, E J Cornelis, Calcutta
300 bgs, E J Cornelis, Calcutta
SOAPSTOCK, COTTONSEED—240 bbls, Balfour, Guthrie & Co, Buenos Aires
1,031 bgs, Balfour, Guthrie & Co, Buenos Aires
SPONGES—13 bls, New York & Cuba Mail S S Co, Havana
13 bls, Schroeder & Tremayne, Havana
23 bls, Mantas Bros, Havana
32 bls, Havana
3 bls, Havana
REFUSE—3 bls, J Bloch, Havana
TALC—13,440 bgs, Whittaker, Clark & Daniels, Kobe
2,000 bgs, Kobe
TANKAGE—1,097 bgs, Swift & Co, Buenos Aires
1,793 bgs, Swift & Co, Buenos Aires
1,016 bgs, Weaver & Hugi, Buenos Aires
2,466 cakes, Buenos Aires
18 bgs, Buenos Aires
LIVER—1,002 bgs, Buenos Aires
500 bgs, Buenos Aires
TAPIOCA FLAKE—534 bgs, Stein, Hall & Co, Sourabaya
FLOUR—945 bgs, Stein, Hall & Co, Sourabaya
500 bgs, Morningstar, Nicol, Tandjong Priok
250 bgs, Morningstar, Nicol, Tandjong Priok
3,500 bgs, Corn Product Refg Co, Puerto Plata
2 cs, Corn Product Refg Co, Puerto Plata
2,675 bgs, Balfour, Guthrie & Co, Pamanoekan
250 bgs, Chase Natl Bank, Batavia
544 bgs, Chase Natl Bank, Cheribon
20 bgs, Stein, Hall & Co, Batavia
401 bgs, Stein, Hall & Co, Cheribon
515 bgs, Overton & Co, Cheribon
503 bgs, Sino Java Handel, Cheribon
501 bgs, W R Grace & Co, Cheribon
400 bgs, Sino Java Handel, Cheribon
106 bgs, Sino Java Handel, Batavia
1,000 bgs, Stein, Hall & Co, Cheribon
300 bgs, Rutger Bleecker & Co, Cheribon
250 bgs, Chase National Bank, Macassar
1,000 bgs, H S Cramer & Co, Batavia
250 bgs, Stein, Hall & Co, Cheribon
220 bgs, Stein, Hall & Co, Batavia
543 bgs, Stein, Hall & Co, Cheribon
544 bgs, Stein, Hall & Co, Cheribon
ROOT—2 cs, Stein, Hall & Co, Sourabaya
TARTAR — 733 bgs, Charles Pfizer & Co, Buenos Aires
146 bgs, W R Grace & Co, San Antonio

TIMBO ROOT—525 cs, Belem
480 bls, Wessel, Duval & Co, Belem
210 cs, Belem
90 cs, Belem
TOLU BALSAM—56 cs, Isaac Wesrani, Barranquilla
TUNGSTEN CONC—47 bgs, Philipp Bros, Durban
33 dms, Philipp Bros, Durban
ORE—60 bgs, Trust Co of North America, Port Elizabeth
UMBER, BURNT, POWD—100 bgs, T H Dietz, Alexandria
VANILLA BEANS — 43 cs, Thurston & Braidich, Vera Cruz
WATTLE BARK — 2,116 bls, Lourenco Marques
EXTRACT—440 bls, Tannin Corp, Mombasa
1,098 bls, Tannin Corp, Mombasa
1,094 bls, Tannin Corp, Mombasa
219 bls, Lourenco Marques
525 bls, Lourenco Marques
WAX, BEES—20 bgs, Schutte & Focke, Trujillo
24 bgs, Geck Trading Corp, Trujillo
10 bgs, Curacao Trading Co, Trujillo
44 bgs, Irving Trust Co, Trujillo
1 bg, M Block, Trujillo
39 seroons, Porcella, Vicini & Co, Puerto Plata
6 seroons, Porcella, Vicini & Co, Puerto Plata
114 bgs, Puerto Alegre
38 pkgs, Distrib & Trading Co, Lisbon
53 pkgs, Innis, Speiden & Co, Lisbon
11 bgs, Joosten & Janssen, Dar Es Salaam
63 bgs, Havana
21 bgs, H H Pike Co, Havana
92 blocks, Standard Bank South Africa, Lourenco Marques
44 blocks, Standard Bank South Africa, Lourenco Marques
90 bgs, Rio de Janeiro
84 bgs, Wessel, Duval & Co, Rio de Janeiro
170 bgs, Rio de Janeiro
101 bgs, Rio de Janeiro
33 bgs, American Cyanamid & Chem Co, Rio de Janeiro
80 bgs, Innis, Speiden & Co, Santos
80 bgs, H Pike & Co, Santos
400 bgs, Santos
160 bgs, Santos
CANDELILLA—1,144 bgs, Margueso & Co, Tampico
CARNAUBA—56 bgs, Strohmeyer & Arpe Co, Ceara
56 bgs, Innis, Speiden & Co, Ceara
112 bgs, Rutger, Bleecker & Co, Ceara
223 bgs, Strohmeyer & Arpe Co, Ceara
336 bgs, Rutger, Bleecker & Co, Ceara
56 bgs, Smith & Nichols, Ceara
10 bgs, Pratt & Brake Corp, Ceara
33 bgs, Lenape Trading Co, Ceara
471 bgs, W M Allison & Co, Ceara
56 bgs, Strahl & Pitsch, Ceara
68 bgs, Smith & Nichols, Bahia
22 bgs, Wessel, Duval & Co, Rio de Janeiro
55 bgs, American Cyanamid & Chem Co, Rio de Janeiro
56 bgs, Wessel, Duval & Co, Belem
56 bgs, Wessel, Duval & Co, Belem
OURICURY—67 bgs, Distributing & Trading Co, Bahia
VEGETABLE—195 bgs, Irving Herman, Inc, Bahia
100 cs, Kobe
50 cs, American Cyanamid & Chem Co, Kobe
WINE LEES—100 bgs, Lisbon
WOLFRAM ORE—170 bgs, Buenos Aires
400 bgs, Chase National Bank, Antofagasta
100 bgs, Chase National Bank, Antofagasta
YEAST — 1 pkg, Pan American Standard Brands, Barranquilla

New York Transit Imports

BRONZE LEAF—2 cs, Illinois Bronze Powder Co, Kobe. Chicago, Ill
CAMPHOR, CRUDE—500 cs Eastman Kodak Co, Kobe, Rochester
GLANDS, BEEF SUPRARENAL—6 tcs, Parke, Davis & Co, Buenos Aires, Detroit
METAL RESIDUE—10 cks, Irvington Smelting & Refg Co, Buenos Aires, Irvington
PAPAIN—35 cs, American Ferment Co, Tanza, Buffalo
QUEBRACHO EXTRACT—1,066 bgs, Tannin Corp, Buenos Aires, Ontario
542 bgs, Tannin Corp, Buenos Aires, Canada
933 bgs, Tannin Corp, Buenos Aires, Cousbourg
2,249 bgs, Tannin Corp, Buenos Aires, Huntsville
850 bgs, Tannin Corp, Buenos Aires, Cousbourg
TEAWASTE—1,019 bgs, Maywood Chem Works, Calcutta, Maywood
1,000 bgs, Citro Chem Co, Calcutta, Maywood
1,035 bgs, Maywood Chem Works, Calcutta, Maywood
1,000 bgs, Citro Chem Co, Calcutta, Maywood
VANILLA BEANS—50 cs, M Cortizas Co, Vera Cruz, Philadelphia
20 cs, M Cortizas Co, Vera Cruz, Philadelphia

Baltimore Imports

BLOOD, DRIED—1,016 bgs, Buenos Aires
907 bgs, Santos
COCOA BEANS—750 bgs, Trinidad
COCONUT, DESIC—523 cs, Manila
CORUNDUM—2,178 bgs, Lourenco Marques
COTTONSEED MEAL—36,769 bgs, Santos
2,205 bgs, Santos
IRON ORE (CHROME)—1,500 tons, Masinloc
ORE—21,700 tons, Bethlehem Steel Co., Cruz Grande
11,500 tons, Bethlehem Steel Co., Cruz Grande
MANGANESE ORE—6,140 tons, Vizagapatam
1,500 tons, Rio Janiero
8,000 tons, Putnik, Vizagapatam
1,350 tons, Calcutta
5,900 tons, Durban
MOLASSES—620,119 gls, Cuba Distilling Co, Barahona
727,018 gls, Cuba Distilling Co, Macoris
1,392,656 gls, Cuba Distilling Co, Neuvitas
MONAZITE SAND—1,650 bgs, Victoria
OIL, COCONUT—415 tons, Manila
FUEL—68,000 bbls, Standard Oil Co N J, Aruba
1,649,584 gls, Standard Oil Co N J Caripito
PETROLEUM, CRUDE—78,788 bbls, Standard Oil Co N J, Guiria
45,111 bbls, Standard Oil Co N J, Las Piedras
50,000 bbls, Mexican Petroleum Corp, Las Piedras
PYRITES—6,048,000 lbs, Huelva
CONCENTRATES—728,900 lbs, Huelva
QUEBRACHO EXTRACT—8,466 bgs, Buenos Aires
15,925 bgs, Buenos Aires
SHELLAC—25 bgs, Calcutta
TANKAGE—6,025 bgs, Buenos Aires
1,654 bgs, Santos
WATTLE BARK—1,650 bls, Durban
ZINC ORE—7,500 tons, Santander

Boston Imports

GLUESTOCK—3 bdles, Dewey Seidel, Mombasa
GUM, ARABIC—300 bgs, Irvin Sobin, Inc, Port Sudan
MACE -28 cs, Catz American Co, Macassar
MICA SPLITTINGS—160 cs, Cornelis & Suhr, Calcutta
70 cs, Cornelis & Suhr, Calcutta
SHELLAC—150 bgs, Wm Zinsser & Co, Calcutta
50 bgs, Wm Zinsser & Co, Calcutta
BUTTONLAC—150 bgs, A Hurst & Co, Calcutta
GARNETLAC—100 bgs, Wm Zinsser & Co, Calcutta
SEEDLAC—300 bgs, The Parks Co, Calcutta
TAPIOCA FLOUR—1,368 bgs, Stein, Hall & Co, Sourabaya
250 bgs, Morningstar Nicol, Tandjong Priok
250 bgs, Stein, Hall & Co, Batavia
265 bgs, Rutger, Bleecker & Co, Cheribon
251 bgs, Stein, Hall & Co, Batavia
250 bgs, Stein, Hall & Co, Batavia
250 bgs, Stein, Hall & Co, Cheribon

Charleston Imports

WAX, VEGETABLE—100 cs, Kobe

Houston Imports

COTTON LINTERS—615 bls, West Texas Cottonoil Co, Santos
67 bls, West Texas Cottonoil Co, Santos
384 bls, West Texas Cottonoil Co, Santos

Los Angeles Imports

AMMONIA PHOSPHATE—2,200 bgs, 196,000 lbs, Trail
APRICOT KERNELS—400 lbs, Hongkong
400 lbs, Hongkong
CASHEW KERNELS—240 cs, 12,000 lbs, Madras
CHEMICALS—360 lbs, Hongkong
CINNAMON—75 bls, 7,280 lbs, Ceylon
COCONUT, DESIC—374 cs, 61,420 lbs, Manila
5,752 pkgs, 626,260 lbs, Manila
COPRA MEAL—1,700 bgs, 170,000 lbs, Cebu
COTTON LINTERS—110 bls, 51,830 lbs, Nuevo Laredo
238 bls, 130,300 lbs, Torreon
276 bls, 110,230 lbs, Sao Paulo
DRUGS, ADVANCED—160 lbs, Hongkong
CRUDE, 140 lbs, Hongkong
GINGER ROOT—500 lbs, Hongkong
300 lbs, Hongkong
OIL, PALM—1,576,380 lbs, Medan
PALM KERNELS—2,736 bgs, 456,210 lbs, Straits Settlement
PAPRIKA—25 bgs, 2,750 lbs, Valencia
25 bgs, 2,750 lbs, Valencia
RICE FLOUR—80 lbs, Hongkong
SAGE LEAVES—40 bls, 4,000 lbs, Alicante
SODA NITRATE—43,084 bgs, 4,322,120 lbs, Tocopilla
SPICES—1 cs, 10 lbs, Kobe
TAPIOCA FLOUR—1,580 lbs, Hongkong

New Orleans Imports

GUM, CHICLE—83 tons, Belize

Norfolk Imports

BAUXITE ORE—1,764 tons, Aluminium Ore Co, Grenada
3,608 tons, Aluminum Ore Co, Georgetown
BLOOD, DRIED—2,000 bgs, Wilson & Co, Santos
SHELLAC—210 bgs, Mantrose Corp, Calcutta
200 bgs, Mantrose Corp, Calcutta
WATTLE BARK, EXTRACT—491 bgs, Tannin Corp, Durban

Philadelphia Imports

CHROME ORE—1,420 tons, Moa
COCOA BEANS—12,500 bgs, Irving Trust Co, Bahia
12,500 bgs, Bank of London & South America, Ltd, Bahia
FLUORSPAR—1,257 tons, Associated Metal & Mining Corp, Tampico
MAGNESITE ORE—23,970 tons, Darien
MOLASSES—1,792,258 gls, Publicker Alcohol Corp, Fanteillo and Havana
2,945,552 gls, E I du Pont de Nemous & Co, Ltd, Metanzas
PETROLEUM—108,849 bbls, Gulf Oil Corp, Puerto la Cruz
90,086 bbls, Gulf Oil Corp, Puerta la Cruz
117,888 bbls, Gulf Oil Corp, Puerto la Cruz
119,614 bbls, Gulf Oil Corp, Peurto la Cruz
89,000 bbls, Atlantic Refining Co, Cumarebo
REFINED—75,000 bbls, Socony - Vacuum Trans Co, Aruba

San Francisco Imports

CASSIA, BROKEN—60 cs, S L Jones & Co, Hongkong

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended February 26

Almonds, bitter, 277 bags; restricted use.
Carob beans, 200 cases; wormy.
Cassia oil, 20 drums; not U.S.P.
Coriander seed, 10,700 bags; filthy.
Cumin seed, 200 bags; dirty.
Glandular preparation, 1 parcel; contains no thyroid; false therapeutic claims.
Medicinal preparation, 90 kegs; not properly labeled.
Pollack liver oil, 550 drums; restricted use.

Baltimore

Week Ended February 26

Fertilizer mixture, 16,000 bags; restricted use.

Buffalo

Week Ended February 26

Food color, 1 pound; non-permitted color.

Philadelphia

Week Ended February 26

Hair dye, 1 parcel; false and misleading statements; no quantity of contents statement.

Seattle

Week Ended February 20

Sesame seed, 12,000 pounds; filthy.

Exports from U.S. Ports

Los Angeles Exports

ACID, BORIC—60 kgs, 6,720 lbs, Madras; 280 bgs, 31,360 lbs, Bombay; 100 bgs, 11,200 lbs, Karachi
SULPHURIC—1,600 lbs, La Union
TARTARIC—200 lbs, La Union
ASPHALT—100 dms, 40,000 lbs, Guayaquil; 10 dms, 4,090 lbs, Balboa; 652 pkgs, 254,880 lbs, Panama City
LIQUID—1,870 lbs, Bandoeng
ROOFING—100 dms, 50,480 lbs, Guayaquil
BONE ASH—300 lbs, Denil
BORATE—2,733 sks, 480,790 lbs, Kobe; 3,711 bgs, 695,420 lbs, Osaka
BORAX—300 kgs, 33,600 lbs, Karachi; 10 kgs, 1,120 lbs, Cochin; 20 kgs, 2,240 lbs, Calicut; 3,655 bgs, 606,440 lbs, Osaka
CALOMEL—20 lbs, La Union
CEMENT, PLASTIC—640 sks, 60,160 lbs Vancouver; 1,400 lbs, Manila
CHALK, PRECIP—230 lbs, Manila
CINNAMON—25 bls, 2,980 lbs, Buenaventura; 72 lbs, 7,420 lbs, Guayaquil
CLEANER—5 cs, 250 lbs, Fort Clayton; 2 cs, 170 lbs, Fort Amador
COCOA BUTTER—50 cs, 11,000 lbs, Osaka
CREOSOTE—150 lbs, Manila
CUMIN SEED—2,200 lbs, Guayaquil
DIATOMACEOUS EARTH—20 bgs, 2,080 lbs, Saigon; 141 bgs, 14,100 lbs, Souabaya; 3,019 pkgs, 274,720 lbs, Kobe; 1,167 pkgs, 114,480 lbs, Yokohama
EPSOM SALT—2,000 lbs, La Union
FLEASEED—1,400 lbs, Mexico City
GASOLINE—10,000 dms, Tokyo, 18,519 dms, Chungking; 61,447 bbls, Balboa/Cristobal; 35 dms, Ketchikan; 3,600 bbls, Ketchikan; 9,664 bbls, Amagasaki
AVIATION—187 dms, Tegucigalpa
GREASE, LUBRIC—165 pkgs, 12,200 lbs, Manila; 82 pkgs, 14,900 lbs, Singapore; 67 pkgs, 1,910 lbs, Ketchikan; 22 pkgs, 1,380 lbs, Balboa; 177 pkgs, 7,190 lbs, Panama City
GUM, KARAYA—300 lbs, Manila
GYPSUM, CALC—5,000 lbs, Manila
INSECTICIDE, LIQ—300 lbs, Manila
KEROSENE—1,500 cs, Penang; 15 dms, Ketchikan; 10,114 bbls, Balboa/Cristobal
LACQUER—200 lbs, San Juan; 1,060 lbs, Guatemala City; 80 lbs, Semarang; 2,040 lbs, Manila
THINNER—2,640 lbs, Guatemala City; 160 lbs, Semarang; 3,200 lbs, Manila
MAGNESIA SILICATE—154 bgs, 15,400 lbs, Callao
MEDICINAL PREPS—120 lbs, Manila
MINERAL SPTS—200 pkgs, 34,990 lbs, Panama City; 50 bbls, 18,800 lbs, Balboa
OIL, COTTONSEED—40 lbs, Tokyo
CYLINDER—5 cs, Ketchikan
DIESEL—8,100 bbls, Ketchikan; 5,455 bbls, Balboa and Cristobal
FLUSHING—1 dm, Ketchikan
FUEL—7,999 bbls, Vancouver
FUEL, RES—13,000 bbls, Ketchikan
FURNACE—1,500 bbls, Ketchikan
LINSEED—8,460 lbs, Manila
LUBRICATING—145 pkgs, Manila; 1,081 pkgs, Singapore; 52 ctns, Fort Amador; 70 ctns, Fort Clayton; 19 pkgs, Balboa
PALM, FLAKE—312 bgs, 49,920 lbs, Cebu; 2,080 lbs, San Jose; 118 bgs, 18,720 lbs, San Jose; 200 bgs, 20,000 lbs, Sourabaya
VEGETABLE, FLAKE—3,625 pkgs, 460,000 lbs, Manila
PAINT—310 lbs, Guatemala; 36 lbs, Semarang; 19,730 lbs, Manila; 360 lbs, Manila
ASPHALT—5 pkgs, 15,000 lbs, Panama City
COLD-WATER—590 lbs, Manila
PEPPER—6,000 lbs, Buenaventura
PETROLEUM COKE—13,656,000 lbs, Tokyo
CRUDE—61,399 bbls, Amagasaki
GAS, LIQ—30 cyls, 6,750 lbs, Bombay
POLISH—100 lbs, San Jose
POTASH OXYMURIATE—22,110 lbs, Mansanillo
SOAP, TOILET—8,500 lbs, Manila
SODA, CAUSTIC—200 cs, 10,600 lbs, Manila
SILICATE—60 dms, 42,000 lbs, Manila; 220 bgs, 44,000 lbs, Buenaventura
SULPHUR—250 bgs, 55,000 lbs, Buenaventura
TALC—150 sks, 15,000 lbs, Guayaquil
TOILET PREPS—3,210 lbs, Manila; 380 lbs, Cristobal; 2,240 lbs, Panama City; 510 lbs, San Juan
WOOD FILLER, PASTE—340 lbs, San Juan
ZINC STEARATE—100 lbs, Manila

New Orleans Exports

ACETONE—9 tons, Vera Cruz
ALUMINA SULPHATE—58 tons, West Coast South America
ASPHALT — 223 tons, West Coast South America
BLACK, EARTH—21 tons, Havana
CALCIUM ARSENATE—26 tons, Cristobal
CASEIN—15 tons, Vera Cruz
FERTILIZER—92 tons, Puerto Barrios
FERROMANGANESE—66 tons, Cristobal

—Continued on page 66

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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Acetaldehyde-Anilin Condensation Product

Rubber

Accelerator in—
Vulcanizing processes
Improver in vulcanizing—
Rubber
Rubber-latex compounds

10-Betadimethyl-aminoethoxyethylamino-7-methoxy-3-N-butoxy-acridin Dihydrochloride

Pharmaceutical

Claimed (Brit. 441007, 441132, and addition to Brit. 363392) as—
New pharmaceutical

1:3′-Carboxy-1:3′-sulphophenyl-3-heptadecyl-5-pyrazolone

Photographic

Nondiffusible color-former (Brit. 502665) in—
Color photography

4:5-Dimethoxybenzothiazyl-1-octamethinmonomethylanilide Ethiodide

Photographic

Claimed (Brit. 485623 and 503337) as—
Valuable light filter
Sensitizer (Brit. 485623 and 503337) in—
Photographic emulsions to light of wavelength greater than 10,000

Ethyl Fluorosulphonate

Military

As a military poison gas (toxic lachrymator)

Hydroxynondecylic Acid

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 416631) in making—
Nitriles, with ammonia

Meta-4-xylylvinyl Ketone

Resins

Starting point (Brit. 484599) in making—
Polymerized products useful as resins

Methyl-Mercury Oleate

Rubber

Preservative (Brit. 499578) for—
Latex

Nickel Nitrate

(Azoate de Nickel, Azoate Nickelique, Azotate de Nickel, Azotate Nickelique, Nickelnitrat, Nitrate de Nickel, Nitrate Nickelique, Nitrato de Nichele, Nitrato di Nickelio, Nitrato de Niquel, Salpetersauresmickel, Salpetersauresmickeloxyd)

Building Construction

Coating and waterproofing agent (U.S. 1364587) for—
Cement Mortar
Concrete Trass

Chemical

Carrier (U.S. 1455448) of—
Oxygen
Starting point in making—
Catalysts used in hydrogenation processes (U.S. 1152591, 1156068, 1172062, 1174245, 1185075, 1215334, 1215335, 1216933, 1222608, 1238774, 1271013, 1275405, 1280314, 1280315, 1282296, 1470552, 1482740, 1511520, and 1960886)
Catalysts used in dehydrogenation processes (U.S. 1215334, 1215335, 1216933, and 1271013)
Catalysts used in making—
Acetaldehyde (U.S. 1376665, 1400203, and 1400247)
Acetone oil (U.S. 1158217)
Aldehydes (U.S. 1400247)
Ammonia (U.S. 1141947, 1141948, 1143366, and 1159365)
Benzene (U.S. 1214204)
Butylmethyl ketone (U.S. 1158217)
Calcium chloride (U.S. 1153502)
Carbon dioxide (U.S. 1128804)
Carbon monoxide (U.S. 1128804)
Ethylmethyl ketone (U.S. 1158217)
Formaldehyde (U.S. 1400247)
Hydrogen (U.S. 1128804, 1330772, and 1960886)
Methyl ketone (U.S. 1158217)
Methylpropyl ketone (U.S. 1158217)
Nickel aluminate-silicate (U.S. 1256032)
Nitric acid (U.S. 1178440)
Oils and olefins from coal (Brit. 406986)
Oxygen (U.S. 1153502)
Polycarboxylic acid (U.S. 1425605)
Nitrogen (U.S. 1251204)
Toluene (U.S. 1214204)
Xylene (U.S. 1214204)
Metallized silica gel catalyst (U.S. 1925820)
Nickel catalysts (U.S. 1165956, 1172062, 1179484, 1185075, 1200696, 1251204, 1266782, 1305173, 1320039, 1327396, 1329322, 1329323, 1376665, 1392852, 1396718, 1400203, 1400204, 1400205, 1400247, 1411255, 1426629, 1470552, 1482740, 1491465, and 1960886)
Nickel compounds, such as—
Nickel acetate (U.S. 1390684)
Nickel carbonate (U.S. 1296496)
Nickel formate (U.S. 1390684)
Nickel hydroxide (U.S. 1143343, 1296496, and 1376665)
Nickel oleate (U.S. 1378337)
Nickel oxide (U.S. 1339686)

Dye

Catalyst (U.S. 1455448) in making—
Anthraquinone

Electrical

Carbonizing promoter (U.S. 1978180) for—
Ferrous metal used in vacuum tubes
Process material (U.S. 1402751) in coating—
Battery electrode with nickel salt

Fats, Oils, and Waxes

Starting point in making—
Catalysts used in the hydrogenation of—
Animal oils Polymerized oils
Fish oils Unsaturated oils
Fats Vegetable oils
Oxidized oils
(See also catalyst patents under "Chemical")

Flavorings

Catalyst (U.S. 1158217) in making—
Flavoring agents for cordials and liqueurs

Metallurgical

Ingredient (U.S. 1404156) of—
Electrolyte
Process material (U.S. 1442238) in—
Nickel salt coating
Process material (U.S. 1314839, 1314840, 1314841, and 1314842) in making—
Electrolyte for etching—
Brass Steel
Copper Zinc
Nickel

Miscellaneous

Ingredient (U.S. 1402442) of—
Sympathetic color

Petroleum

Catalyst (U.S. 1160670) in making—
Gasoline

Soap

Starting point in making—
Catalysts for hydrogenation processes (see patents under "Chemical")

Parachlorometacresol

Adhesives

Preservative for—
Adhesives

Disinfectant

Inhibitor of—
Bacterial attack
Micro-organism formation
Mold formation

Fur

Eliminator of—
Grain blistering
Hail slips
Preservative in—
Soaking operations

Glue

Preservative for—
Glue Gelatin

Gum

Preservative for—
Dextrin Tragacanth
Gum arabic Other gums

Ink

Preservative for—
Inks

Insecticide and Fungicide

Inhibitor of—
Micro-organism formation
Mildew growth

Leather

Inhibitor of—
Bacterial attack
Grain blistering in soaking operations
Loss of hide substance
Mildewing
Mold formation
Preservative for—
Belting leather
Chrome-tanned leather
Leathers
Leather finishes
Sole leather

Miscellaneous

Inhibitor of—
Bacterial action
Micro-organism formation
Mildewing
Mold formation
Slime formation
Preservative for—
Albumin Industrial sludge
Blood Moss
Carbohydrates Proteins
Casein Starch
Flaxseed Various products
Industrial pastes

Paint, Varnish, and Lacquer

Ingredient of—
Fungiproof coatings
Preservative for—
Distempers Water paints
Paints

Paper

Preservative for—
Finishes Sizes

Rubber

Preservative for—
Latex

Textile

Inhibitor of—
Bacterial action
Micro-organism formation
Mildewing
Mold formation
Preservative for—
Dextrin Sizings
Fabrics Starch
Finishes

Phenarsazin Chloride

(Adamite, DM)

Military

As a poison gas

Propyl-Mercury Sulphate

Rubber

Preservative (Brit. 499578) for—
Latex

Sodium-Dibutyl Dithiocarbamate

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Rubber

Accelerator in—
Vulcanizing processes
Improver in vulcanizing—
Rubber
Rubber-latex compounds

Tetrahydronaphthalene-Sodium Sulphonate

Chemical

Dispersing agent
Emulsifying agent

Leather

Dispersing agent in making—
Dressing compositions
Finishing compositions

Miscellaneous

Dispersing agent in—
Sizing compositions for various purposes

Paint, Varnish, and Lacquer

Dispersing agent in—
Sizing compositions

Paper

Dispersing agent in—
Emulsified compositions for sizing paper and pulp products

Soap

Dispersing agent in making—
Dry-cleaning soaps
Emulsified detergents, containing soaps, used for various purposes
Emulsified hand-cleansing compositions containing soap
Emulsified textile soaps

Textile Finishing

Dispersing agent in making—
Emulsified sizing compositions

Printing

Dispersing agent in making—
Emulsified printing pastes

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New Orleans Exports

—Continued from page 64

GASOLINE—15 tons, Bluefields
GREASE—34 tons, Vera Cruz
KEROSENE—38 tons, Bluefields; 16 tons, Cristobal; 15 tons, Puerto Limon
LARD—57 tons, Havana; 44 tons, Santiago; 20 tons, Cristobal; 23 tons, West Coast South America; 19 tons, Tampico
LYE—19 tons, Tampico
MILK, POWDERED—10 tons, Vera Cruz
OIL, DIESEL—71 tons, Puerto Cabezas; 104 tons, Ceiba
FUEL—273 tons, Ceiba
PARAFFIN—15 tons, Santiago
QUEBRACHO EXTRACT—34 tons, Tampico
ROSIN—46 tons, Cristobal; 44 tons, Barranquilla; 28 tons, Cartagena; 13 tons, Puerto Limon; 24 tons, West Coast South America
SALT—84 tons, Havana
SOAP—10 tons, Puerto Cabezas
SODA, CYANIDE—56 tons, Puerto Cabezas
STARCH—11 tons, Havana
WAX—17 tons, West Coast South America; 162 tons, Vera Cruz

Philadelphia Exports

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BENZEDRINE, SULPHATE — 5 crtns, Buenos Aires
DYEWOOD EXTRACT — 50 dms, Buenos Aires
LICORICE PASTE—15 cs, Rio de Janeiro
OIL, LUBRIC—32 bbls and 66 cs, Rio de Janeiro; 1 cs (sample), Buenos Aires; 750 dms, Buenos Aires; 10 bbls and 138 cs, Para; 158 cs, Ceara; 400 cs, Pernambuco; 41 cs, Ceara.
MANGANESE DIOXIDE — 33 bgs, Buenos Aires
RESIN, SYNTH—16 bbls, Buenos Aires
SOYBEANS—4 bgs, Buenos Aires
WELDING COMP—9 dms, Buenos Aires

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE — 68,257 bbls, San Francisco; 31,839 bbls, Richmond; 28,726 bbls, Oleum; 11,090 bbls, San Diego; 36,149 bbls, Richmond; 10,448 bbls, San Diego; 60,255 bbls, Portland; 75,637 bbls, San Francisco; 14,730 bbls, San Diego; 3,491 bbls, Seattle; 75,706 bbls, San Francisco
KEROSENE — 6,023 bbls, San Francisco; 5,540 bbls, Richmond; 9,563 bbls, Oleum
OIL, DIESEL—36,963 bbls, Oleum; 13,793 bbls, Richmond; 13,532 bbls, Portland; 5,892 bbls, San Francisco; 2,200 bbls, San Diego; 6,828 bbls, Seattle; 5,694 bbls, San Francisco
FUEL—69,591 bbls, Oleum; 75,709 bbls, El Segundo; 2,992 bbls, San Francisco; 13,150 bbls, San Diego; 55,703 bbls, Seattle
FURNACE—5,290 bbls, Oleum; 7,286 bbls, Richmond; 7,392 bbls, Portland; 2,158 bbls, San Diego; 1,461 bbls, Seattle

Pollen extracting business of J. S. Knapp and Anna G. Knapp, Burbank, Cal., including office, laboratory, shipping equipment, and stock has been sold to Guy Hollister and Robert S. Stier.

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Enamel paints imported in Argentina in 1939 amounted to 715,241 kilograms.

Index to Advertisements

Advance Solvents & Chemical Corp... 68
Alabama Charcoal Co... —
Alexander, Jerome... 58
Allied Asphalt & Mineral Corp... 42
American Agricultural Chem. Co... 1
American-British Chem. Supplies, Inc. —
American Can Co... —
American Cyanamid & Chemical Corp. ... 10, 11
American Flange & Mfg. Co... 9
American Potash & Chemical Corp... 52
American Turpentine Farmers Ass'n Cooperative ... —
Anderson Prichard Oil Corp... —
Angus, W. W., Inc... —
Apex Chemical Co., Inc... —
Asbestos Corp. of America... 42
Association of Consulting Chemists and Chemical Engineers, Inc... 58
Atlantic Coast Fisheries Company... 52
Atlantic Refining Co... —
Atlas Powder Co... —

Baker, J. T., Chemical Co... 51
Barber Asphalt Corp... —
Barium & Chemicals, Inc... 32
Barium Reduction Corp... 30
Barrett Company... 38, 61
Bemis Bro. Bag Co... —
Benzol Products Co... 52
Berk, F. W., & Co., Inc... —
Brighton Copper Works... 42
Brode Corp., The... 43
Bromund, E. A., Co... —
Bureau of Chemistry... 58
Burke, Edw. S... —
Bush, W. J., & Co., Inc... —

Calco Chemical Div... —
Calif. Fruit Growers Exchange... —
Capital City Products Co... 48
Carbide & Carbon Chemicals Corp... 2
Carbo Chemical Co... —
Carey, The Philip, Co... 52
Chemical Solvents, C. P., Inc... 68
Chilean Nitrate Sales Corp... —
Church & Dwight Co... 30
Colgate-Palmolive-Peet Co... 53
Colledge, E. W., Gen'l Sales Agent... —
Colton, Arthur, Co... 43
Columbia Chemical Div... —
Commercial Solvents Corp... —
Consolidated Products Co., Inc... 66
Consumers Import Co., Inc... 51
Continental Can Co... —
Cowles Detergent Co... —
Crosby Naval Stores, Inc... 43
Crown Can Co... 19
Crown Oil Products Corp... —

Darling & Co... —
Day Chemical Company... 58
Desert Chemical Co... 32
Diamond Alkali Co... 31
Dickhart, W. H... 58
Dodge & Olcott Co... —
Doggett, Stanley, Inc... 42
Dow Chemical Co... 17
Dunkel, Paul A., & Co., Inc... 56
DuPont de Nemours, E. I., & Co., Inc. —
Durez Plastics & Chemicals, Inc... 27

Eastman Kodak Co... 53
Edwal Laboratories, Inc... —
Ehrlich, J... 58
Electro Bleaching Gas Co... —
Ellis-Foster Co... 58
Emery Industries, Inc... 43

Felton Chemical Co., Inc... —
Fezandie & Sperle... 37
First Machinery Corp... 66
Food Research Laboratories, Inc... 58
Frank-Vliet Co., Inc... —
Franks Chemical Products Co... 42
Freeport Sulphur Co... 62
Fritzsche Bros., Inc... 56, 59
Fulton Bag & Cotton Mills... 32

Gartenberg, H., & Co... 37
General Drug Company... 18
General Dyestuffs Corp... —
General Electric Co... 26
Georgia Kaolin Co... —
Gesell, R., Inc... —
Givaudan-Delawanna, Inc... 68
Gray, William S., & Co... 1
Gray Industrial Laboratories... 58
Greeff, R. W., & Co... 53
Gross, A., & Co... 67
Gruman, J. B., Co... 64

Hallowell, Horace J... 58
Hardesty, W. C., Co., Inc... —
Harshaw Chemical Co... —
Heekin Can Co... —
Heyden Chemical Corp... 36
Holt, C. J., Co., Inc... 58
Hooker Electrochemical Co... —
Hopkins, J. L., & Co... 55
Horn, Jefferys, & Co... 43
Huisking, Chas. L., & Co... 52
Hutchinson, D. W., & Co., Inc... 57

Imperial Paper & Color Corp... 63
Independent Mfg. Co... —
Industrial Consulting Labs., Inc... 58
Innis, Speiden & Co... —
International Pulp Co... —
International Selling Corp... —
Irvington Smelting & Refining Works 30

Jackle, Frank R... —
Jones & Laughlin Steel Corp... 40
Jungmann & Co., Inc... —

Kachurin Drug Co... —
Kelco Co... 55
Kentucky Color & Chemical Co... 42
Kessler Chemical Co., Inc... —
Knight, B. H... 58
Koppers Company... 39
Kraus, Dr. A. J... —
Krebs Pigment & Color Corp... 67
Laning, E. M. Co... 58
LaWall & Harrisson... 58
Leonhard, Theodor, Wax Co... 49
Lueders, George, & Co... 57

Magnus, Mabee & Reynard, Inc... 57
Mallinckrodt Chemical Works... 6
Mantrose Corp... —
Marine Magnesium Products Corp... —
Mathieson Alkali Works, Inc... —
Mathieu, A. H., & Co... 30
McKesson & Robbins, Inc... —
Merck & Co., Inc... 34, 35
Metallurgical Products Co... 53
Metasap Chemical Co... —
Meyer, Herman, Drug Co., Inc... —
Michigan Alkali Co... —
Mills, Zophar, Inc... —
Minnesota Specialty Co... 42
Molnar Laboratories... 58
Monsanto Chemical Co... —
Munch, James C... 58
Mutual Chemical Co. of America... 37

National Aniline & Chemical Co., Inc. —
National Box & Lumber Co... —
National Lead Co... —
National Milk Sugar Co... 53
National Rosin Oil & Size Co... 42
National Sawdust Co., Inc... 56
Natural Products Refining Co... 37
Neuberg Chemical Corp... 52
Neville Co... 26
New Jersey Zinc Co... 45
N. Y. Quinine & Chemical Works, Inc. 50
Niacet Chemicals Corp... 37
Niagara Alkali Corp... 23

Oldbury Electro-Chemical Co... 32
Orbis Products Corp... 56
Orthmann Laboratories, Inc... 58
Osborn, C. J., Co... —

Pacific Alkali Co... —
Pacific Coast Borax Co... 1
Pacific Vegetable Oil Corp... —
Pacs Chemical Products, Inc... 53
Paramet Chemical Corp... 41
Parsons, M. W... 42
Penick, S. B., & Co... 54
Pennsylvania Coal Products Co... 52
Pennsylvania Industrial Chem. Corp.. 43
Pennsylvania Refining Co... —
Pfaltz & Bauer, Inc... —
Pfizer, Chas., & Co., Inc... 29
Phelps Dodge Refining Co... —
Philadelphia Quartz Co... —
Phosphate Mining Co... 30
Pittsburgh Plate Glass Co... —
Polachek, Z. H... 58
Potash Co. of America... 61
Prior Chemical Corp... 1
Procter & Gamble... 47, 52
Publicker Commercial Alcohol Co... 1
Purdy, W. S., Co., Inc... 58
Pure Calcium Products Division... 1

Raisch, John E., & Co... 58
Reed-Blair Laboratories... 58
Reichhold Chemicals, Inc... 15
Republic Chemical Corp... 67
Republic Steel Corp... 40
Rheem Mfg. Co... —
Robinson Wagner Co... 52
Rosenthal, H. H., Co., Inc... —
Rufert Chemical Co... 59

Sadtler, Samuel P., & Son, Inc... 58
St. Joseph Lead Co... —
Schuylkill Chemical Co... 68
Schwarz Laboratories, Inc... 58
Sell, Putt & Rusby, Inc... 58
Sharples Solvents Corp... 68
Shell Oil Co... —
Sherwood Petroleum Co., Inc... 59
Skelly Oil Co... 21
Smith, Kline & French Labs... —
Snell, Foster D., Inc... 58
Socony-Vacuum Oil Co., Inc... 41
Solvay Sales Corp... 13
Sonneborn, L., Sons, Inc... —
Standard Alcohol Co... 42
Standard Brands, Inc... —
Standard Oil Co. of Calif... —
Standard Specialty & Tube Co... 52
Standard Synthetics, Inc... —
Standard Ultramarine Co... 42
Stauffer Chemical Co... 32
Stillman & Van Sicklen, Inc... 58
Stillwell & Gladding... 58
Stroock & Wittenberg Corp... —
Sun Oil Co... —

Taintor Trading Co., Inc... —
Tamms Silica Co... —
Tar & Chemical Div. of Koppers Co... 39
Tar Residuals, Ltd... 40
Tennessee Corp... 32
Texas Gulf Sulphur Co., Inc... —
Thompson-Hayward Chemical Co... —
Thornton, The F. C., Co... —
Thurston & Braidich... 56
Titanium Pigment Corp... 24
Todd, A. M., & Co... —
Tombarel Products Corp... 57
Truesdail Laboratories, Inc... 58
Turner, Joseph, & Co... 57

Union Carbide & Carbon Corp... 2
U. S. Industrial Chemicals, Inc... —
United States Potash Co... 61
Vanderbilt, R. T., Co., Inc... 44
Victor Chemical Works... 32
Viking Distributing Co... 53
Vol-U-Meter Co... 42

Wah Chang Trading Corp... 48
Warner Chemical Co... —
Weiss & Downs, Inc... 58
Wet Ground Mica Assn., Inc... —
White Tar Co. of N. J... 39
Wiley & Co., Inc... 58
Will & Baumer Candle Co., Inc... 44
Williams, C. K., & Co... —
Wilson-Martin Div... 48
Wishnick-Tumpeer, Inc... —
Woburn Degreasing Co. of N. J... —
Wolf, Jacques, & Co... —
Wood Preserving Corp... 39
Woodridge Mfg. Div... —
Zophar Mills, Inc... —

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